

(12) **United States Patent**
DeSimone et al.

(10) **Patent No.:** **US 10,568,405 B2**
(45) **Date of Patent:** **Feb. 25, 2020**

(54) **NAIL POLISH PALLET AND NAIL POLISH SYSTEM**

A45D 2200/25 (2013.01); *A46B 2200/01* (2013.01); *A46B 2200/1046* (2013.01)

(71) Applicants: **Julie DeSimone**, Garson (CA); **Rob Chaput**, Garson (CA)

(58) **Field of Classification Search**
CPC *A45D 34/045*; *A45D 34/046*; *A46B 7/04*; *A46B 7/042*; *A46B 7/046*
USPC 401/118–130
See application file for complete search history.

(72) Inventors: **Julie DeSimone**, Garson (CA); **Rob Chaput**, Garson (CA)

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 2 days.

(56) **References Cited**

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(21) Appl. No.: **15/959,339**

Primary Examiner — David J Walczak
Assistant Examiner — Joshua R Wiljanen
(74) *Attorney, Agent, or Firm* — Bereskin & Parr LLP/S.E.N.C.R.L., s.r.l.; Isis E. Caulder; Nicholas Aitken

(22) Filed: **Apr. 23, 2018**

(65) **Prior Publication Data**
US 2018/0317629 A1 Nov. 8, 2018

Related U.S. Application Data

(60) Provisional application No. 62/492,439, filed on May 1, 2017.

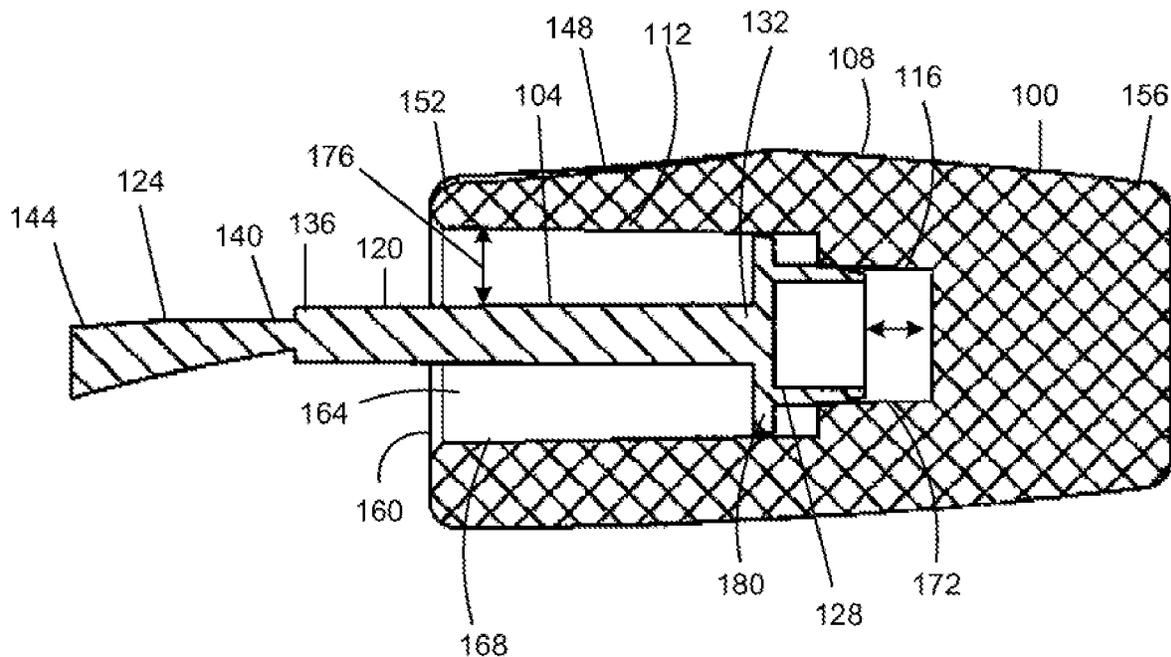
(57) **ABSTRACT**

A nail polish system includes a nail polish cap and a plurality of nail polish applicator brushes. The nail polish cap has an outer handling surface and an inner applicator brush engagement portion. Each nail polish applicator brush includes a stem, a plurality of bristles, and a cap engagement portion. The stem extends from a stem inboard end to a stem outboard end. The plurality of bristles extend longitudinally from a bristle inboard end, connected to the stem outboard end, to a bristle outboard end. The cap engagement portion is connected to the stem inboard end. The cap engagement end is removably connectable to the inner applicator brush engagement portion of the nail polish cap.

3 Claims, 33 Drawing Sheets

(51) **Int. Cl.**
A45D 34/04 (2006.01)
A46B 15/00 (2006.01)
A46B 9/02 (2006.01)
A45D 29/18 (2006.01)

(52) **U.S. Cl.**
CPC *A45D 34/045* (2013.01); *A45D 29/18* (2013.01); *A45D 34/043* (2013.01); *A46B 9/021* (2013.01); *A46B 15/0093* (2013.01);



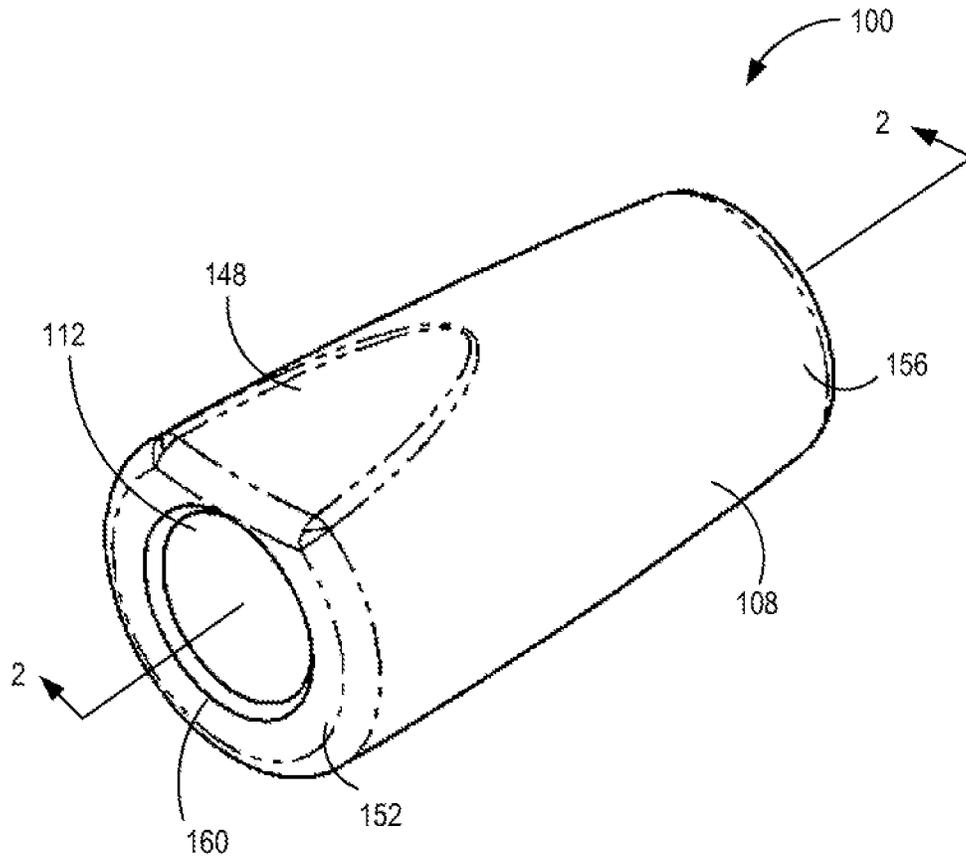


FIG. 1

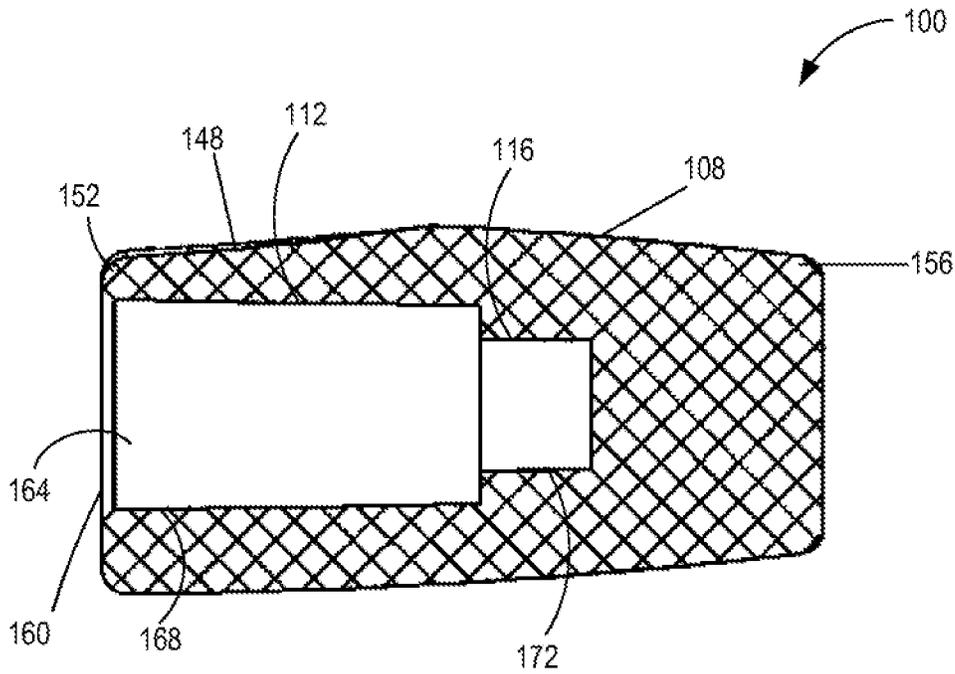
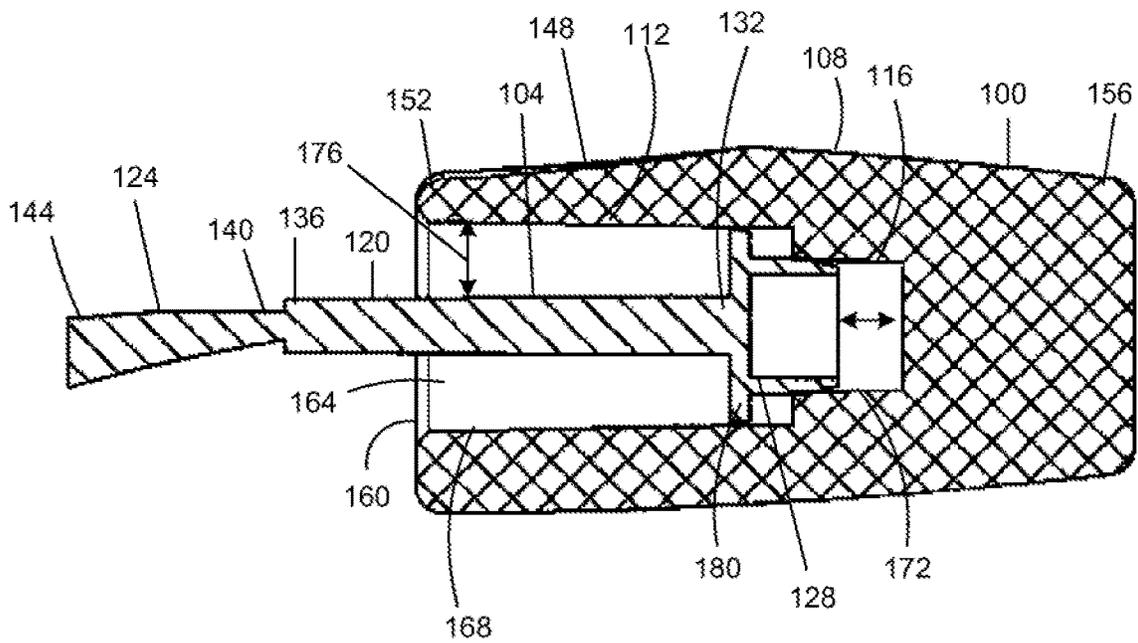
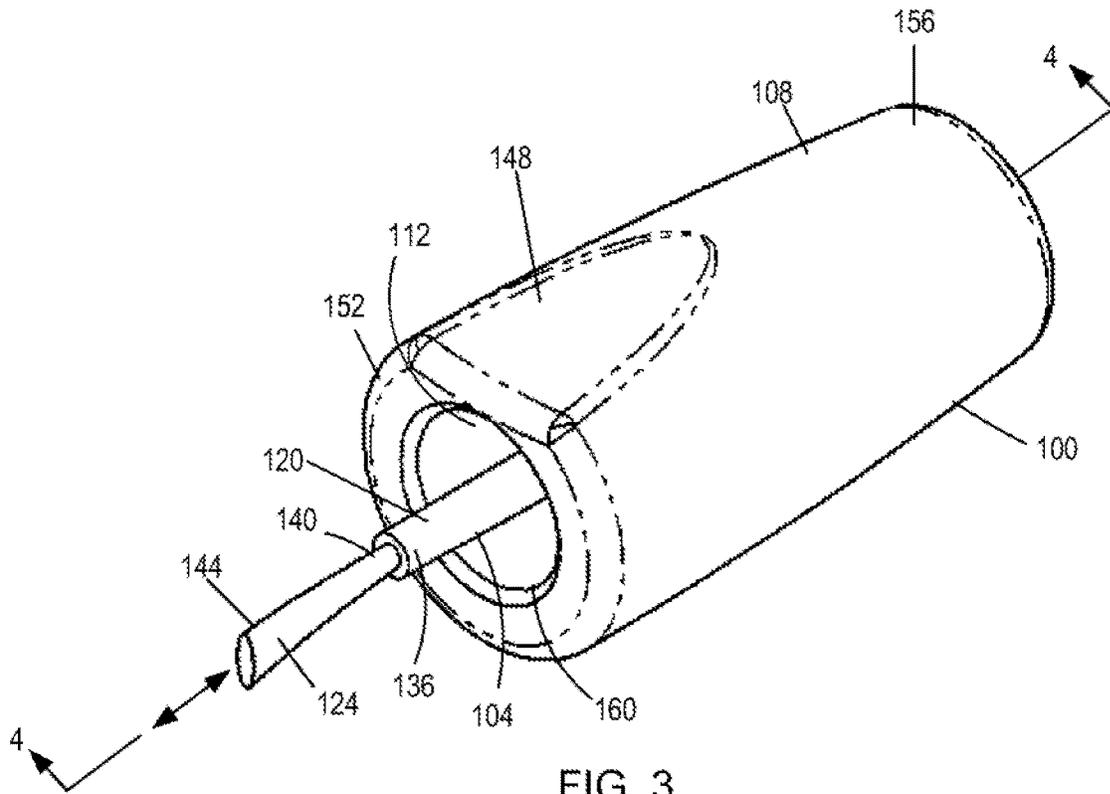


FIG. 2



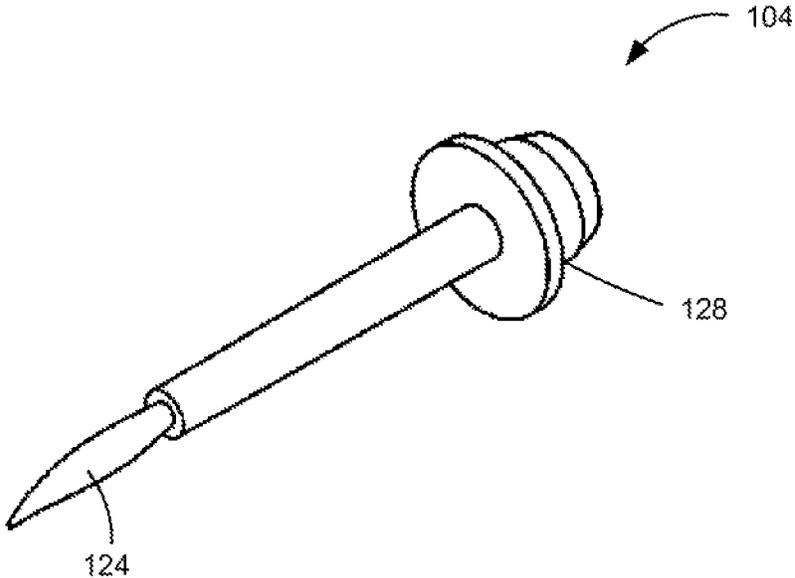


FIG. 5

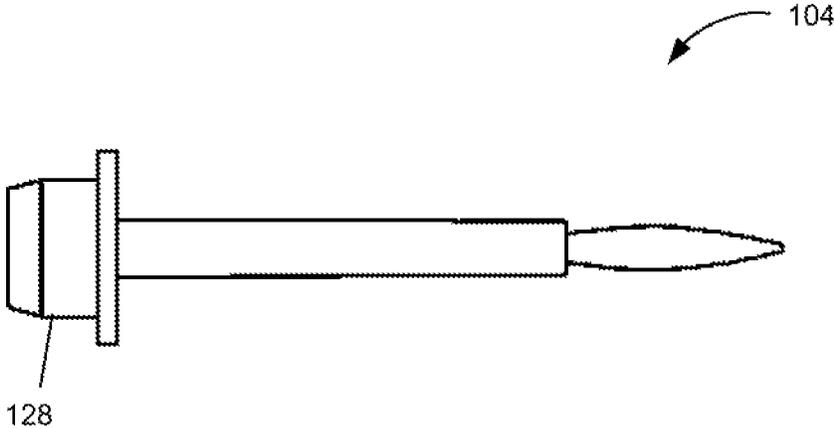


FIG. 6

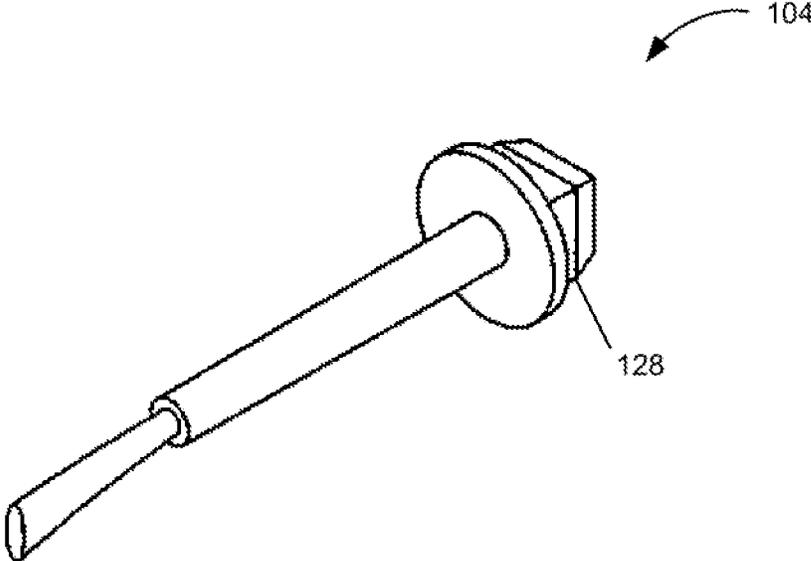


FIG. 7

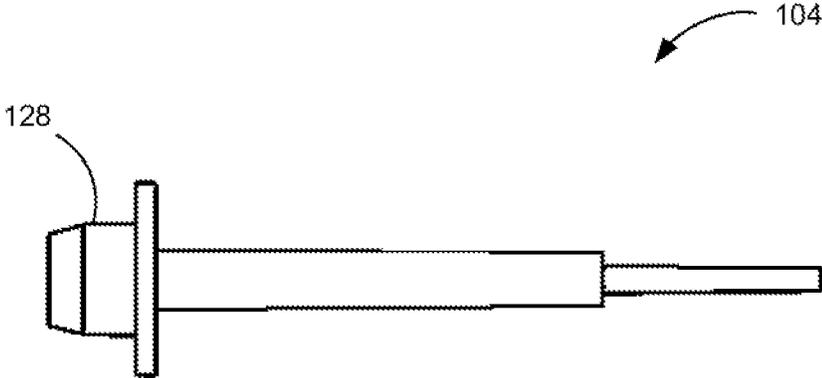


FIG. 8

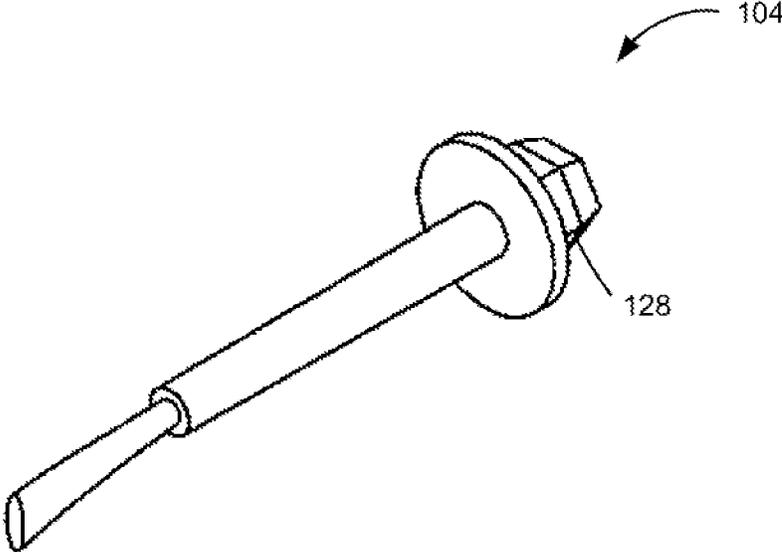


FIG. 9

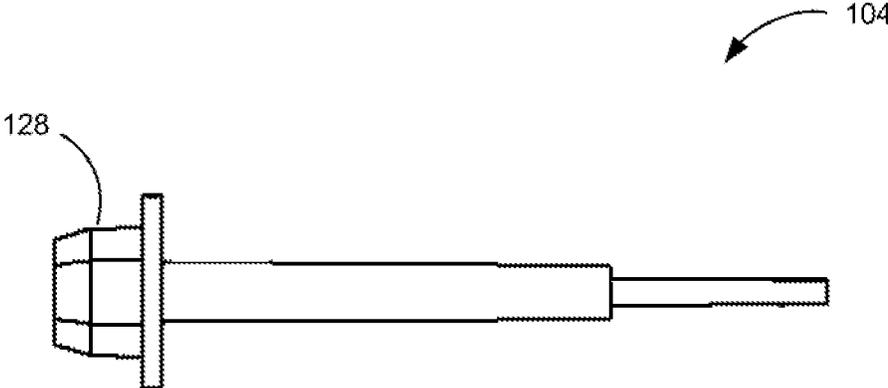


FIG. 10

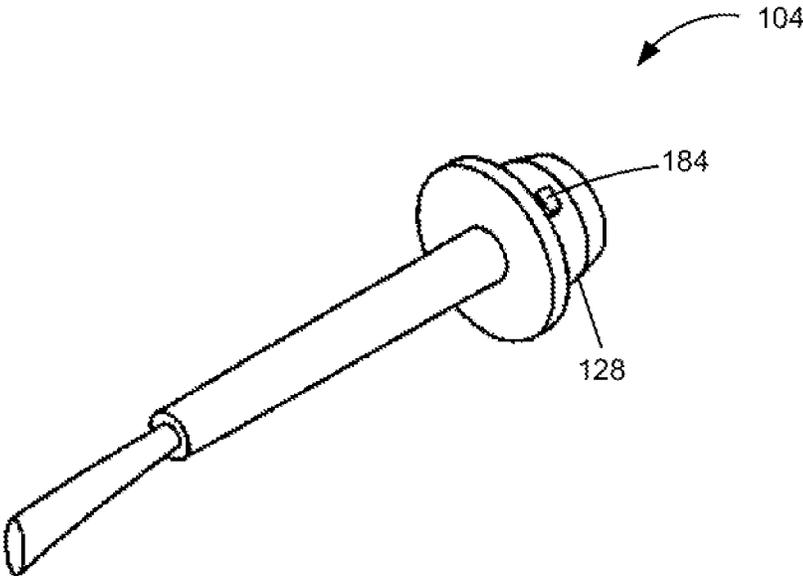


FIG. 11

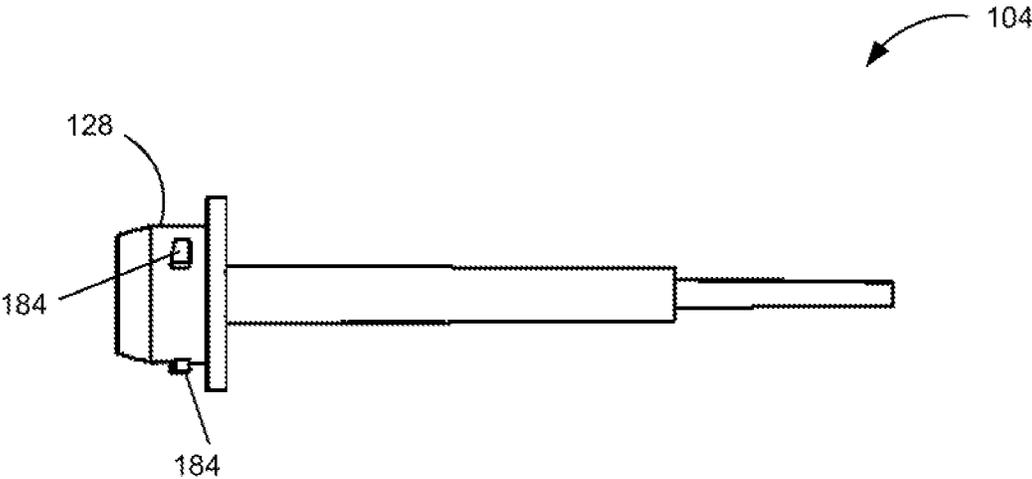


FIG. 12

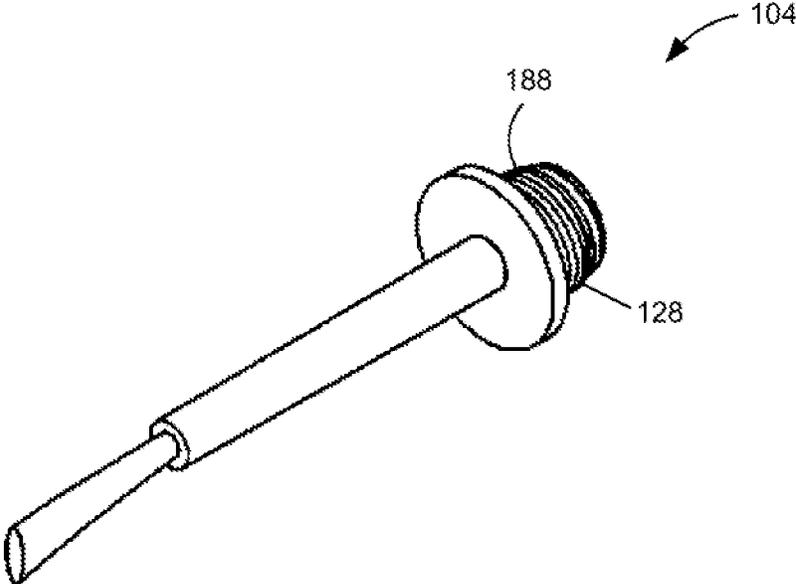


FIG. 13

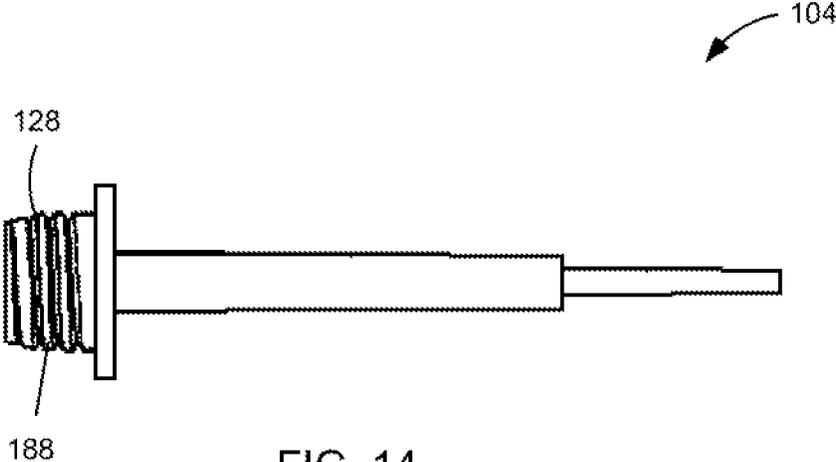


FIG. 14

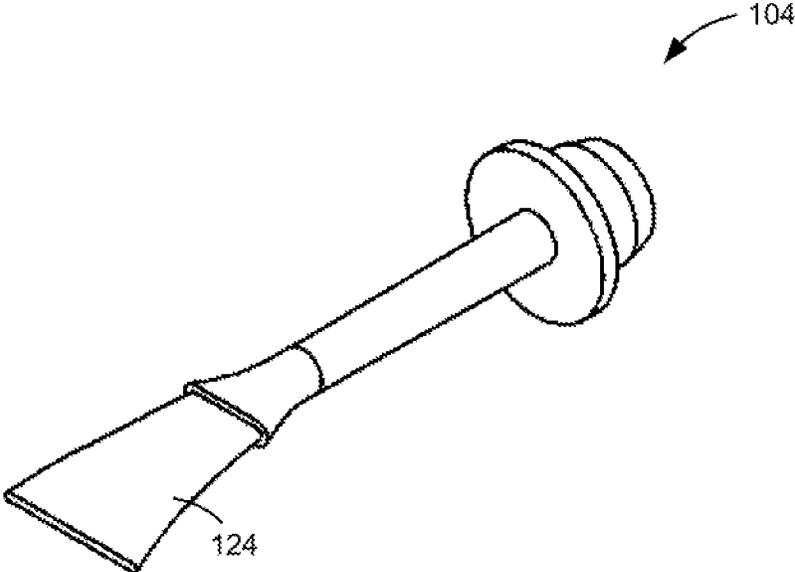


FIG. 15

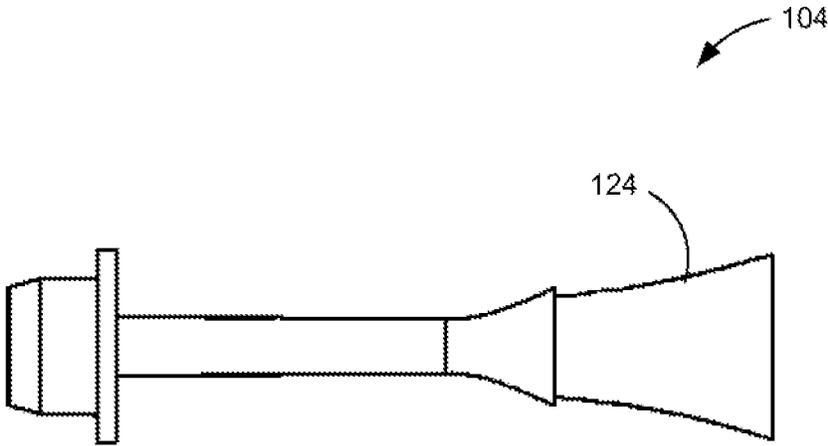


FIG. 16

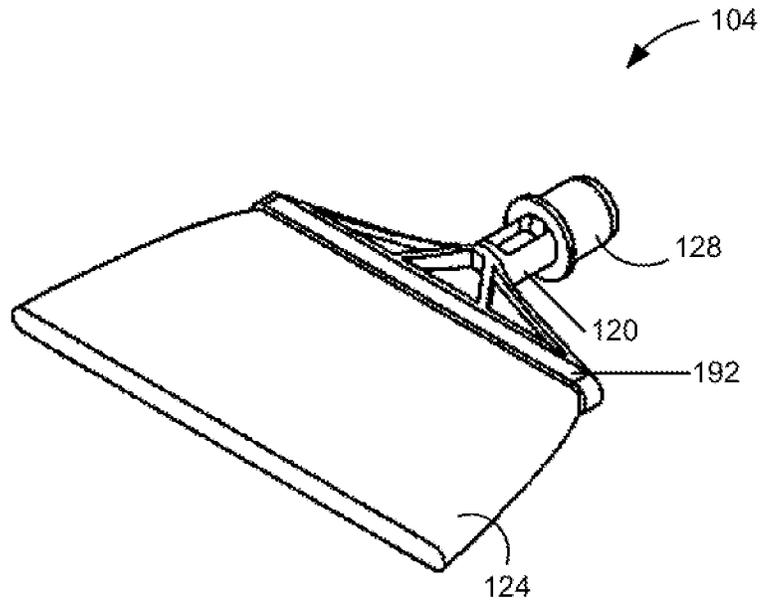


FIG. 17

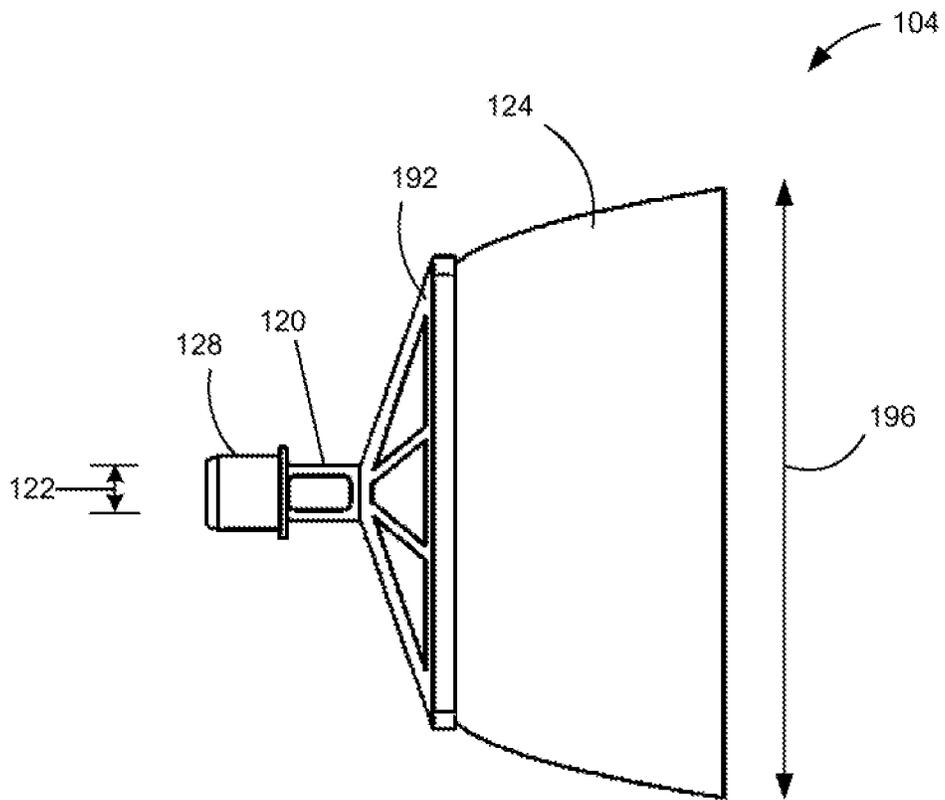


FIG. 18

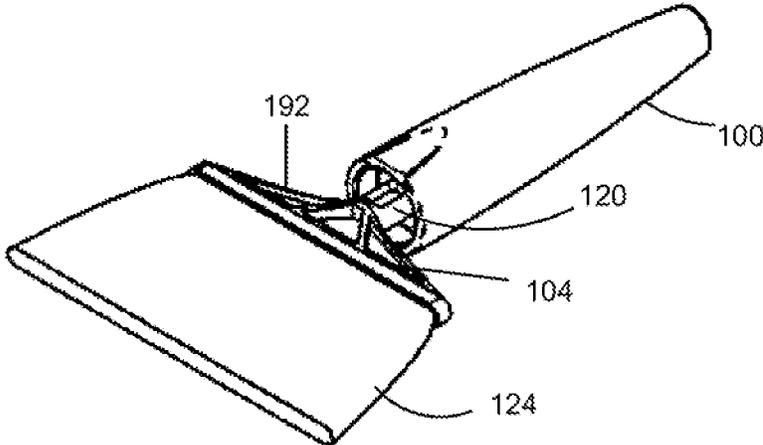


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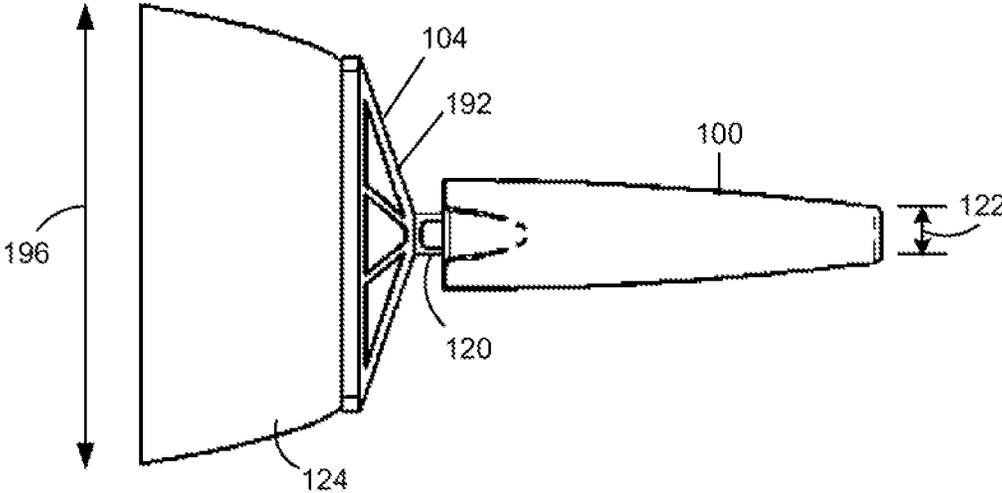


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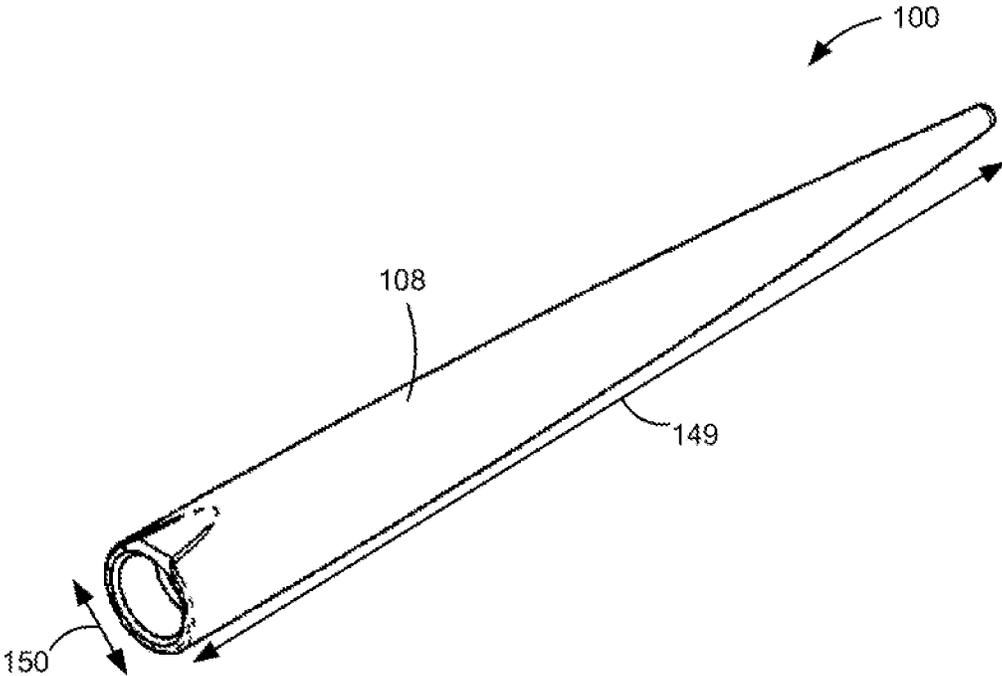


FIG. 21

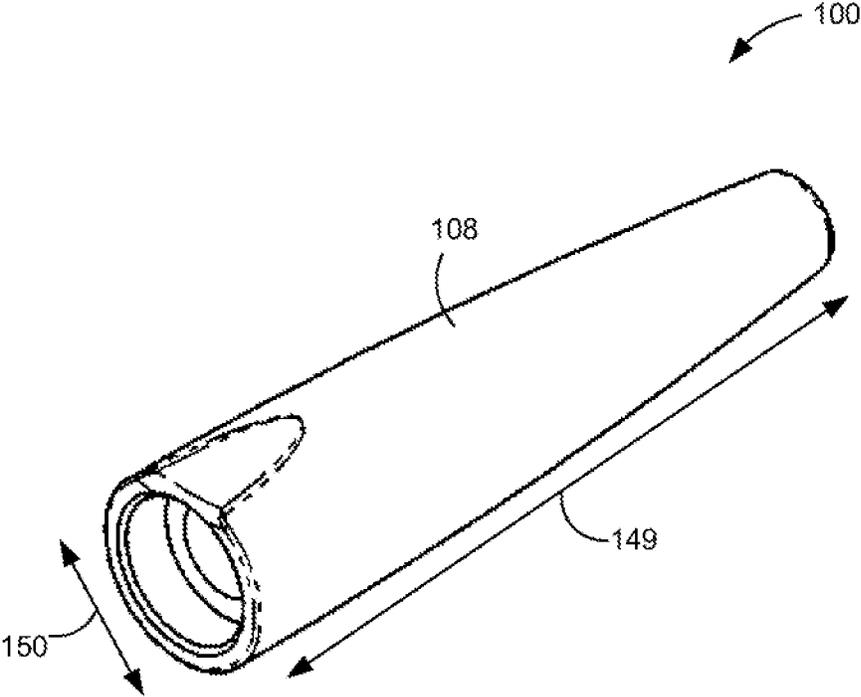


FIG. 22

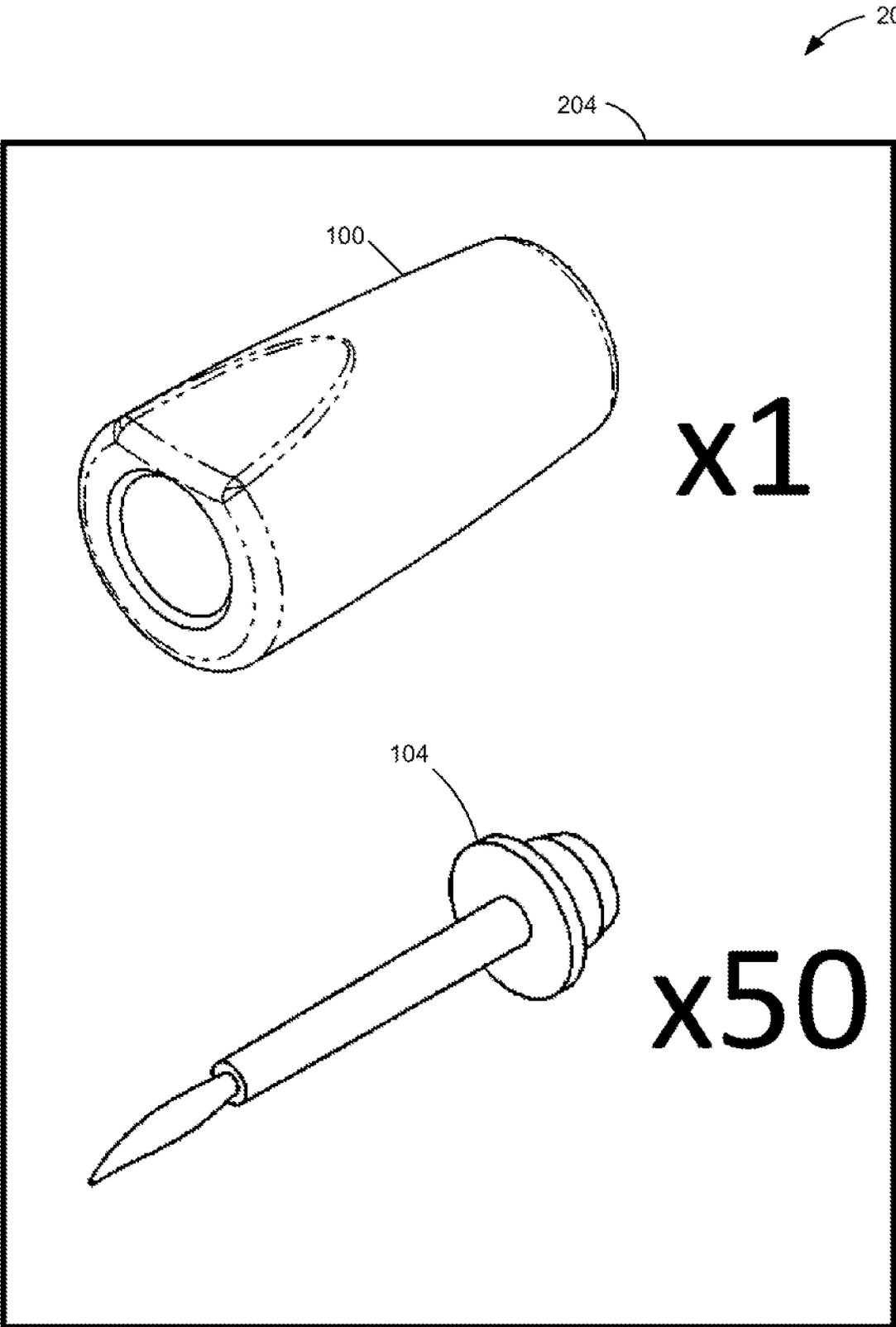


FIG. 23

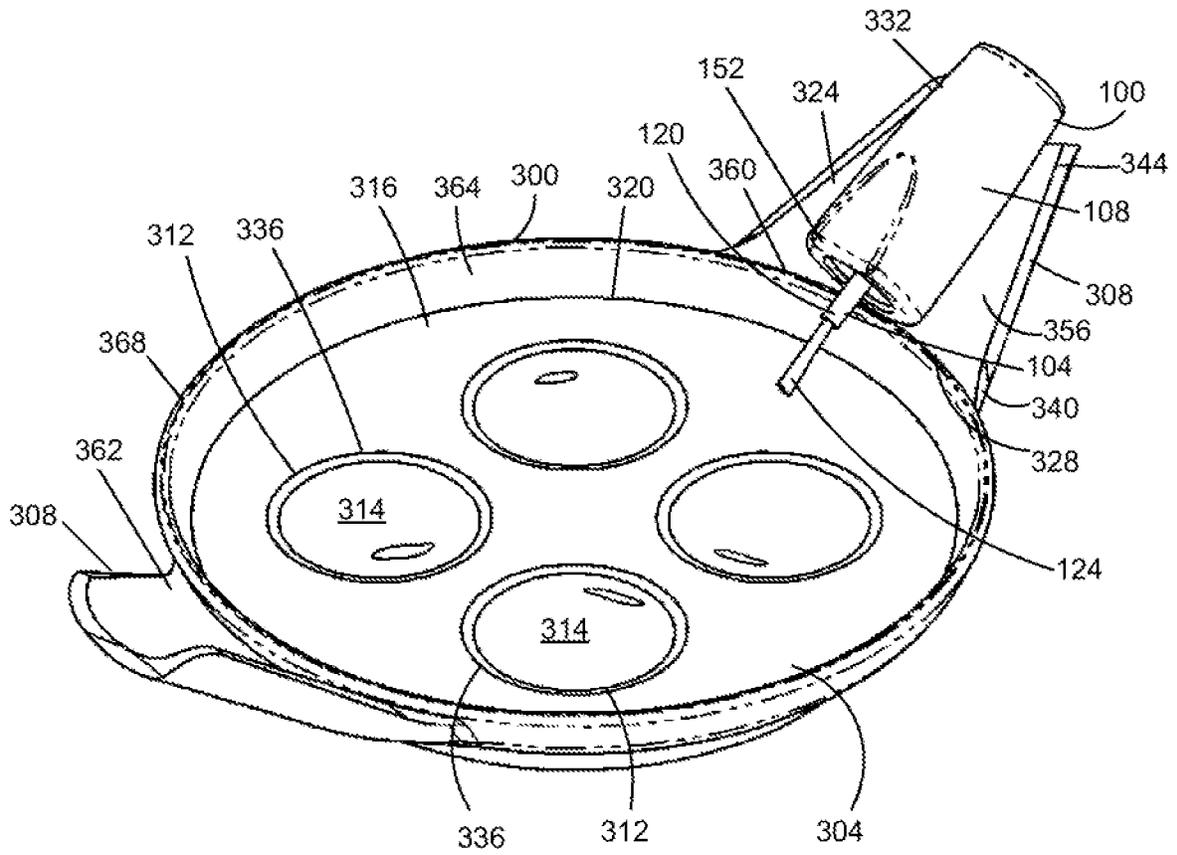


FIG. 24

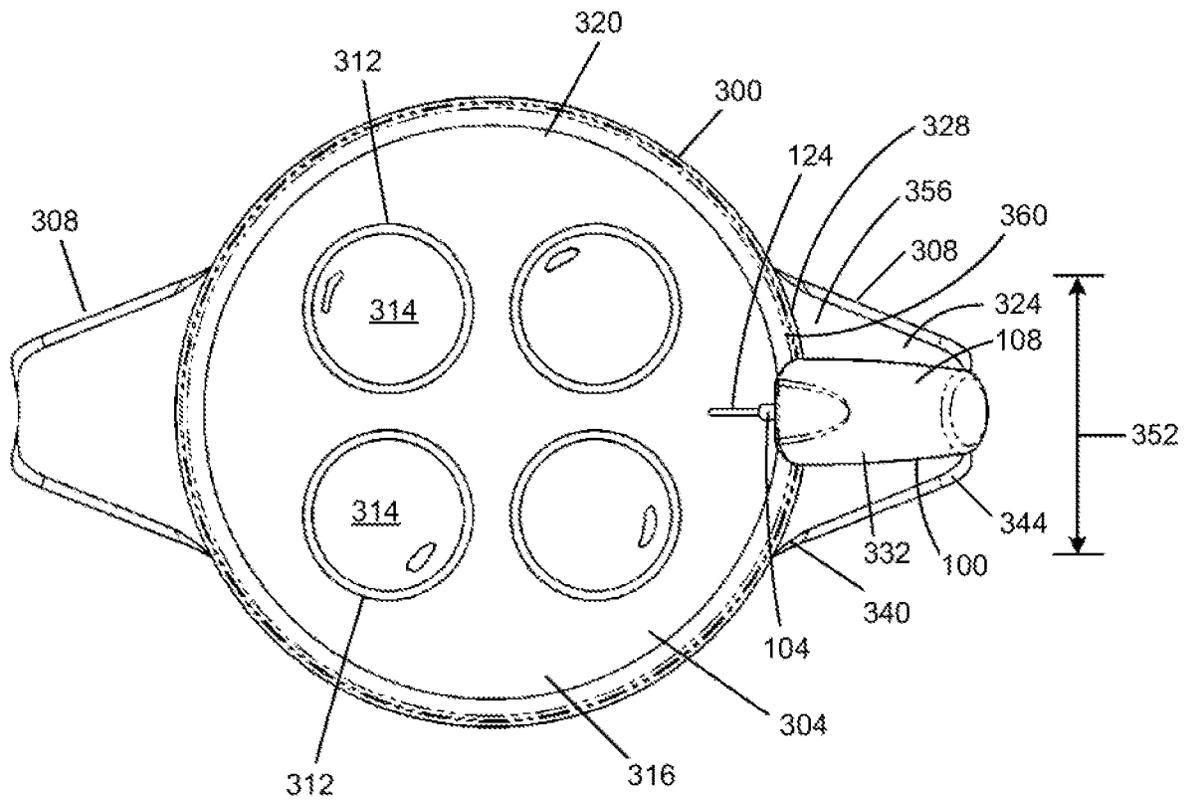


FIG. 25

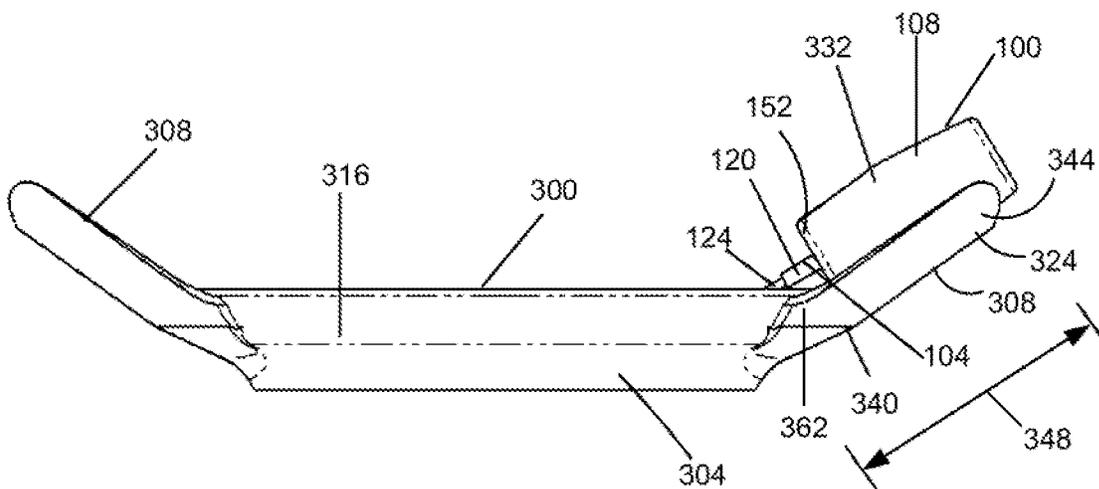


FIG. 26

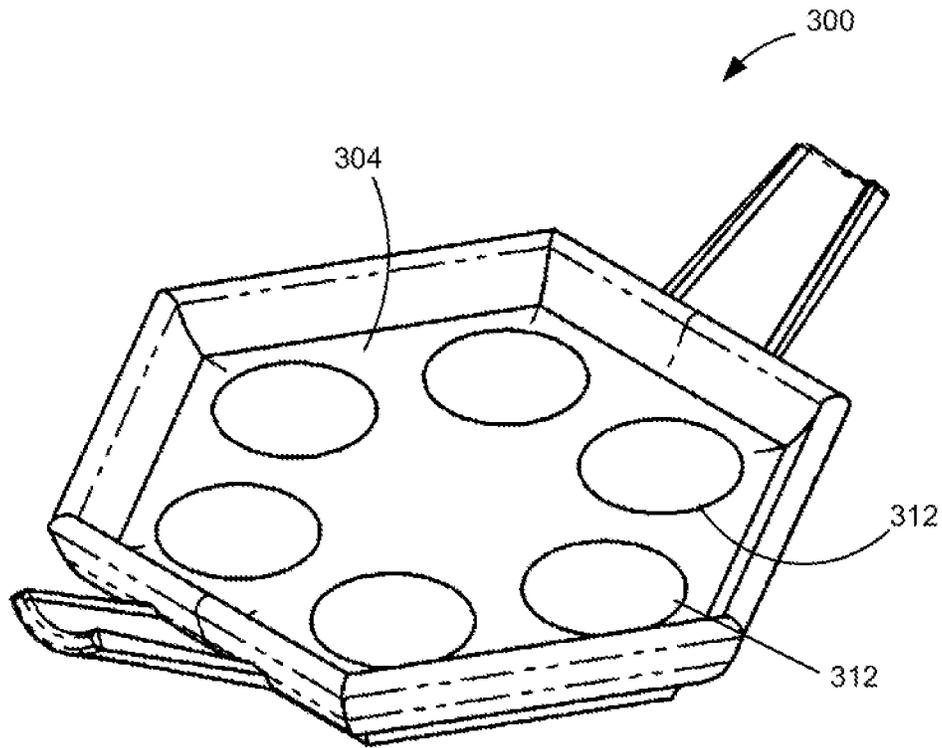


FIG. 27

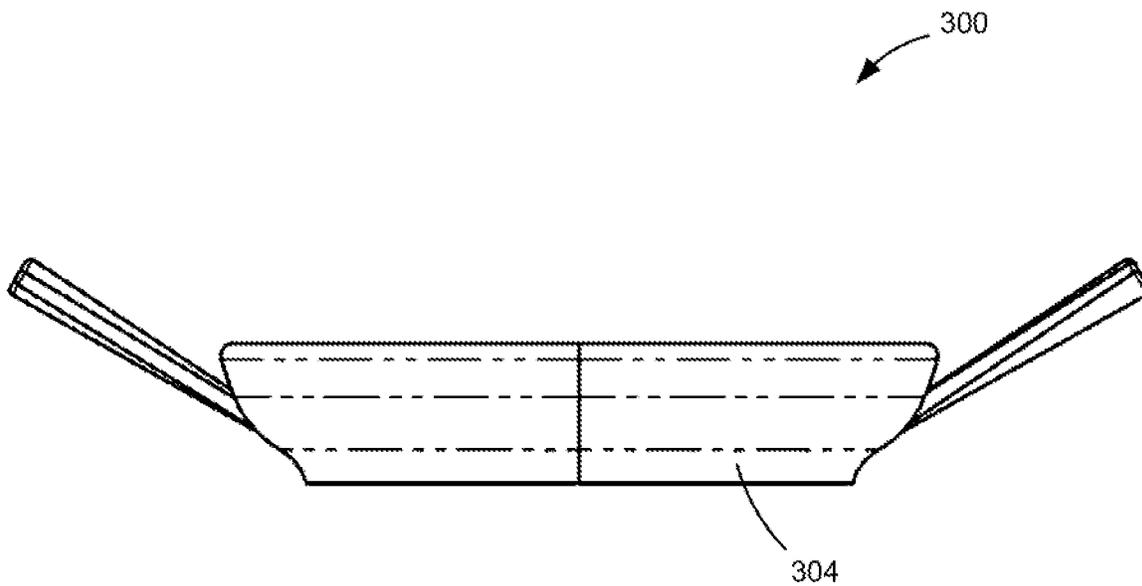


FIG. 28

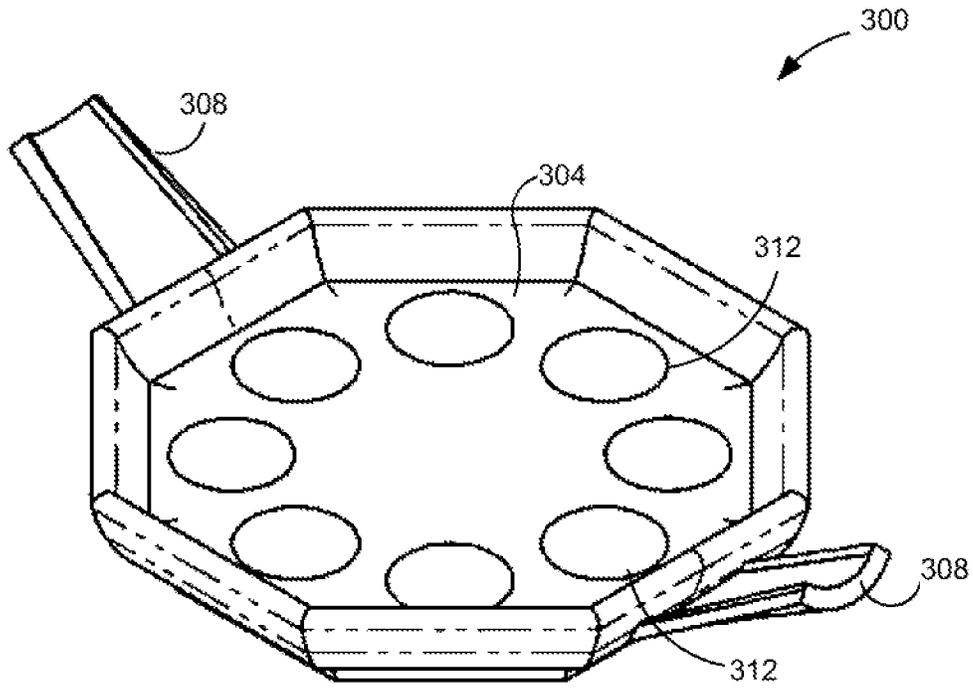


FIG. 29

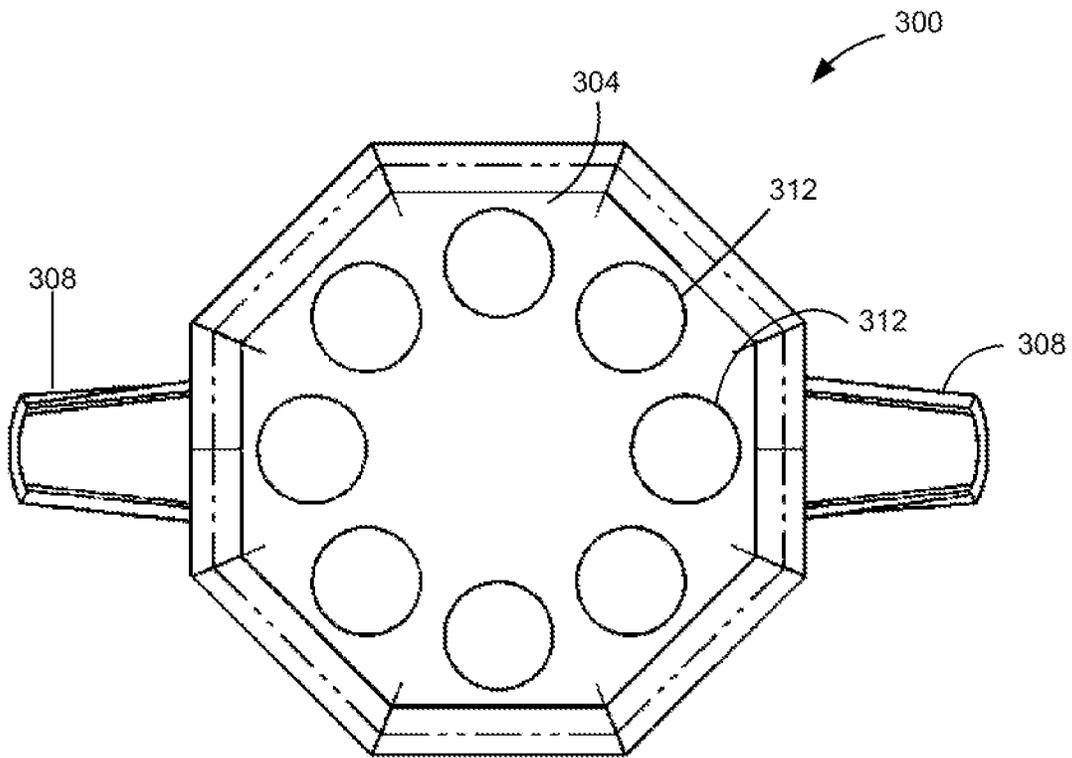


FIG. 30

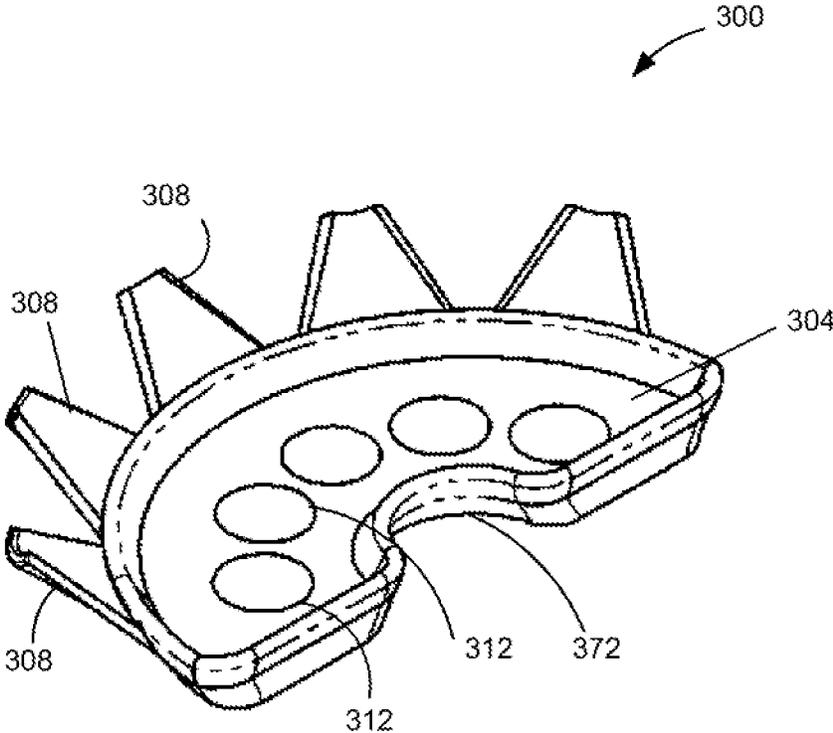


FIG. 31

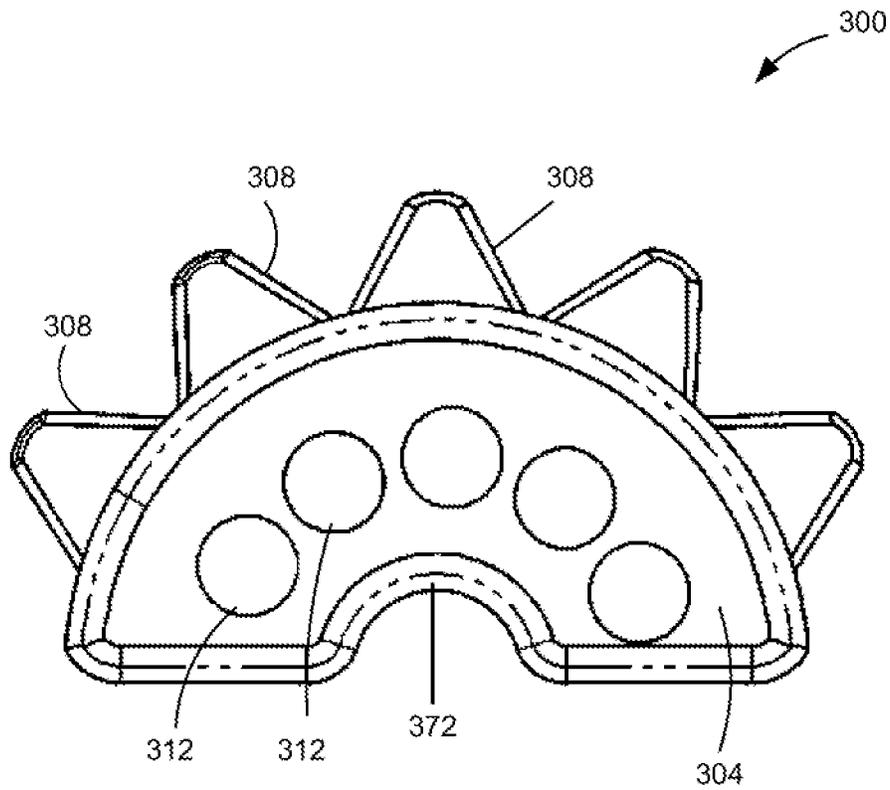


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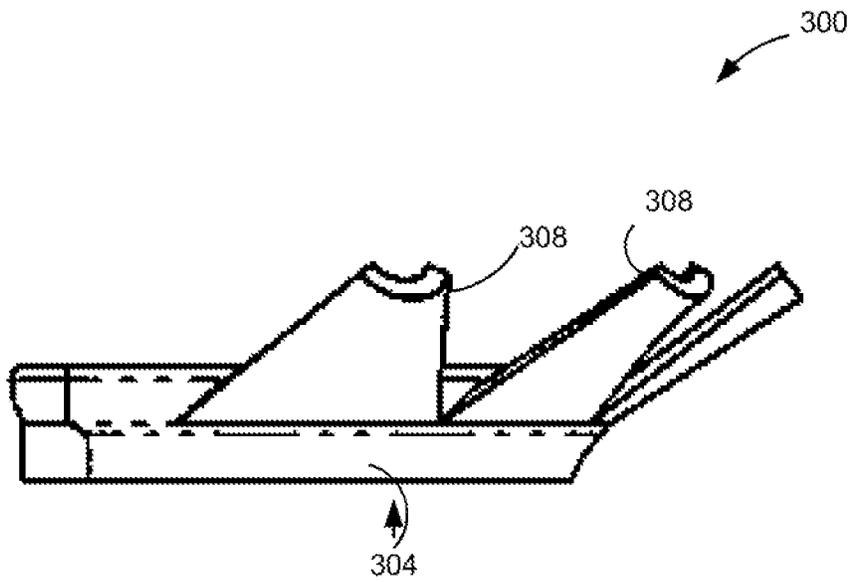


FIG. 33

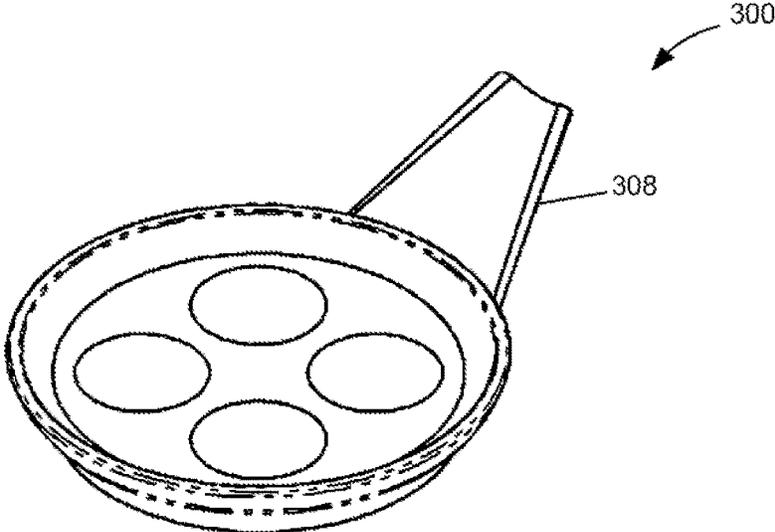


FIG. 34

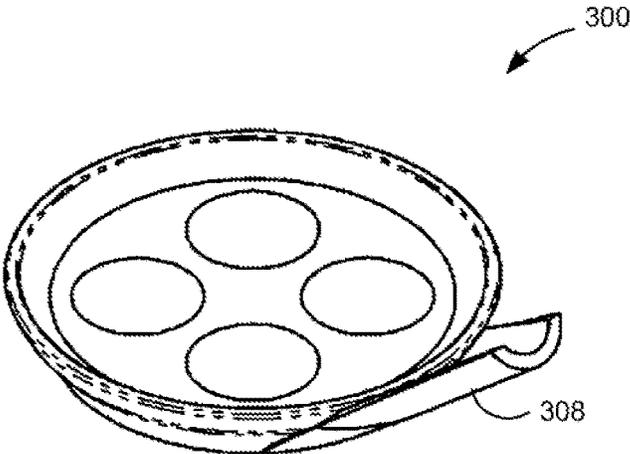


FIG. 35

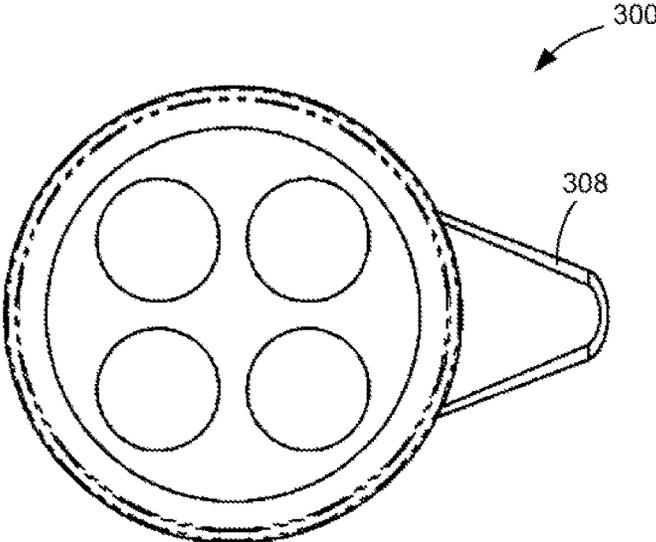


FIG. 36

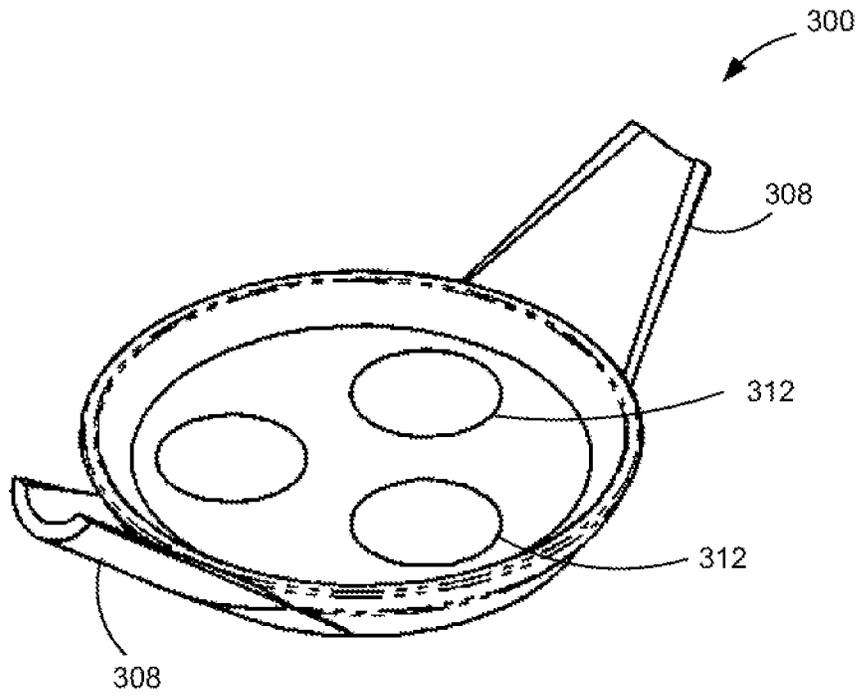


FIG. 37

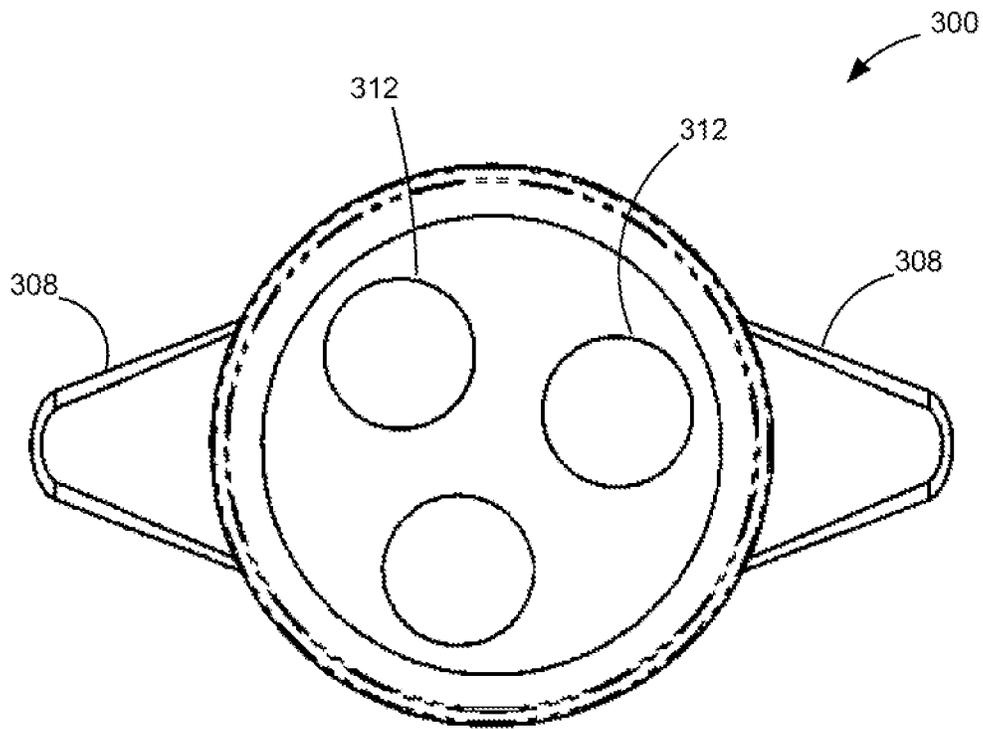


FIG. 38

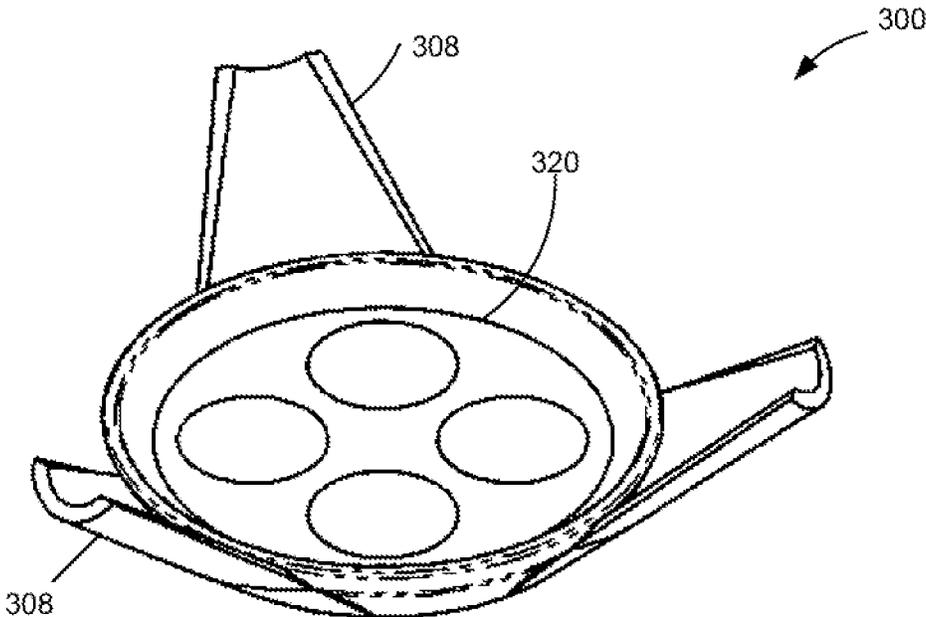


FIG. 39

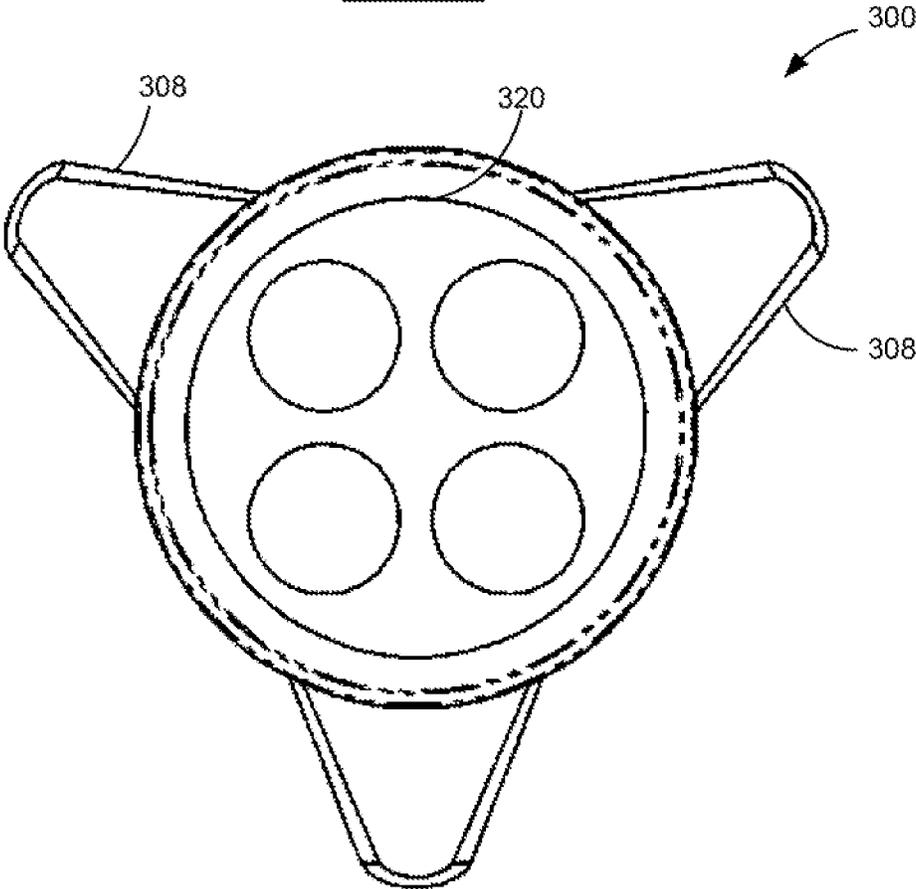


FIG. 40

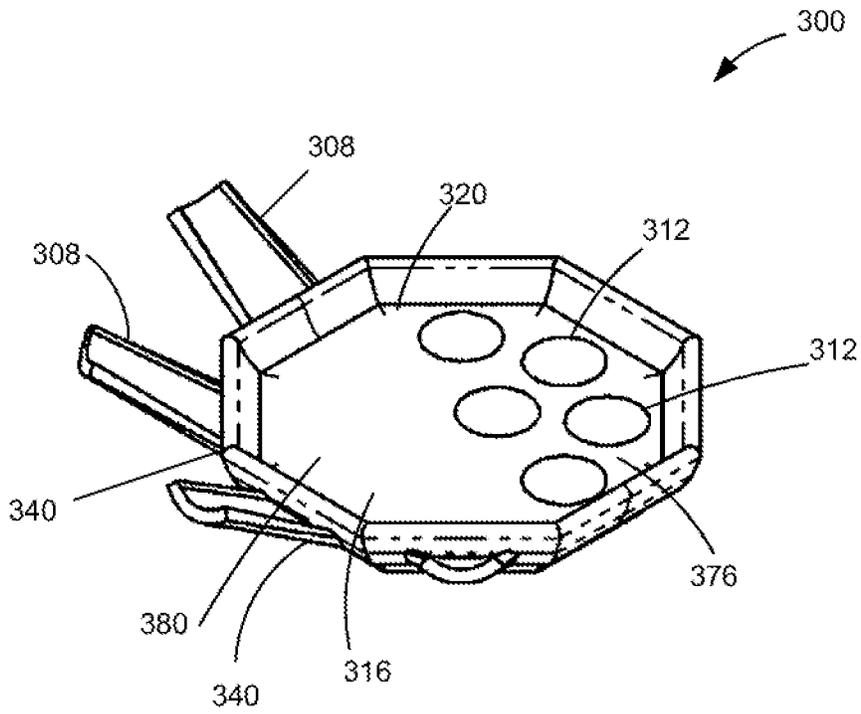


FIG. 41

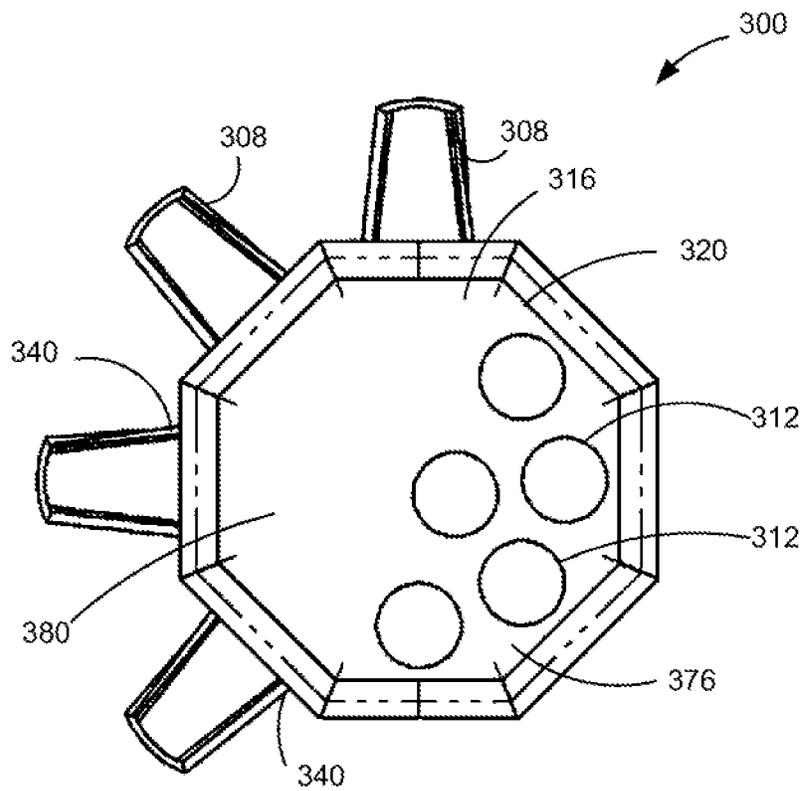


FIG. 42

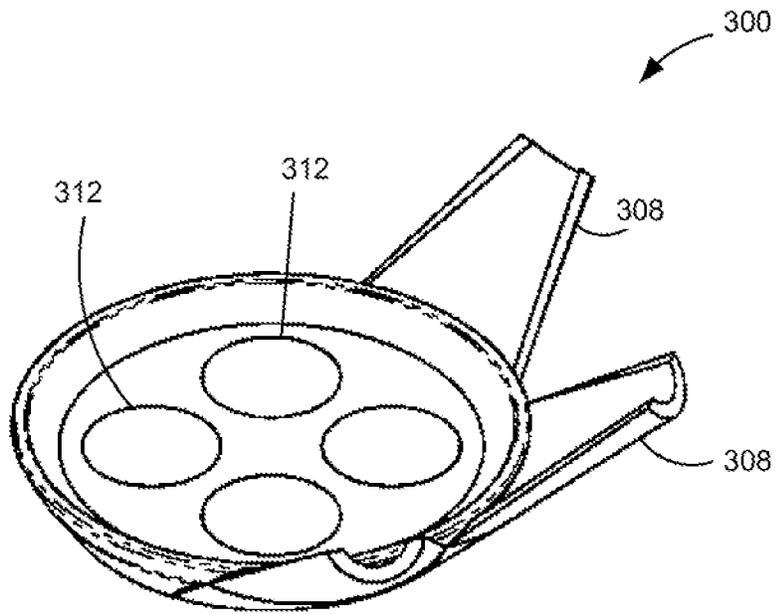


FIG. 43

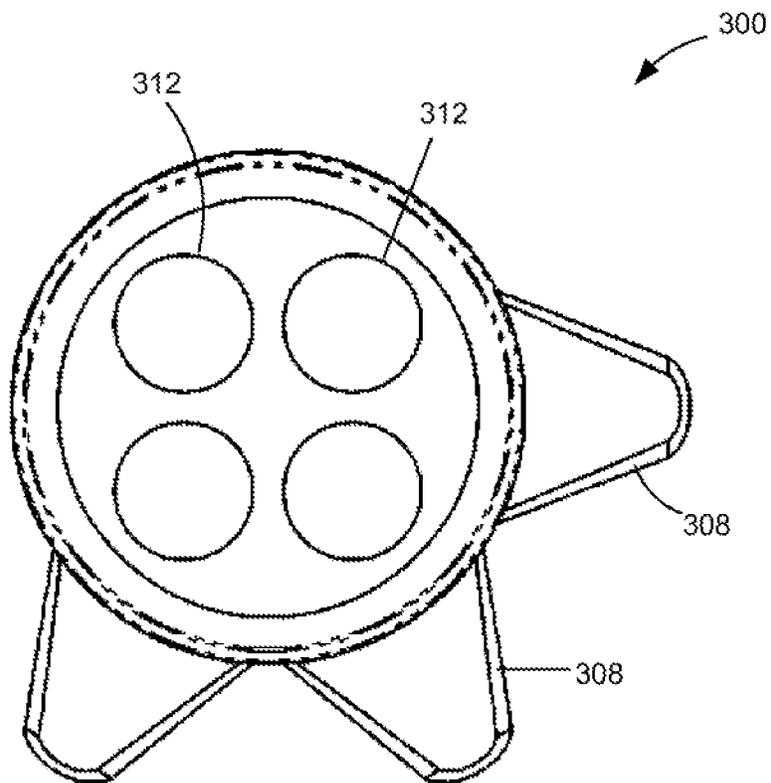


FIG. 44

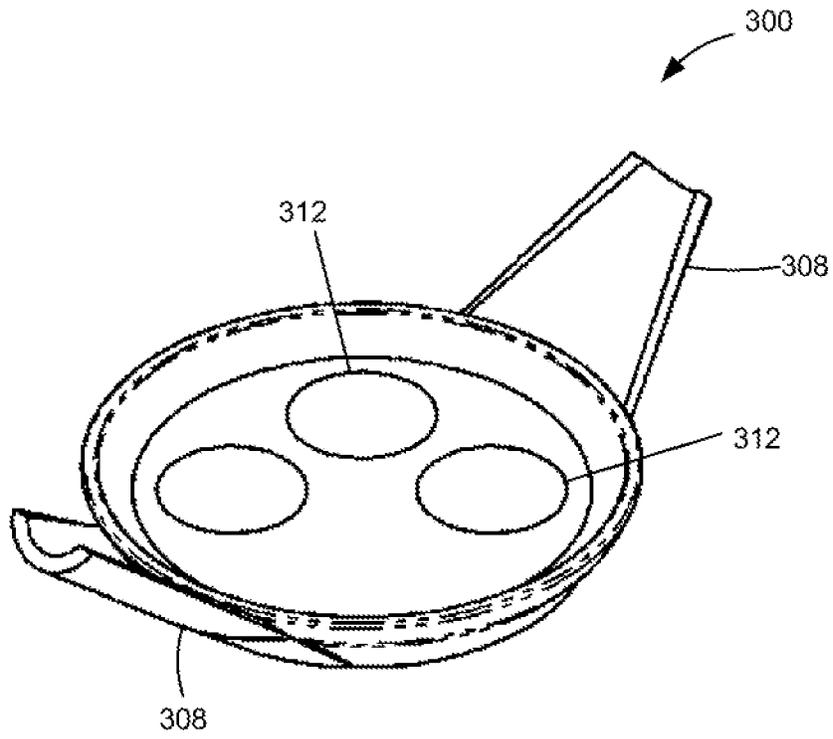


FIG. 45

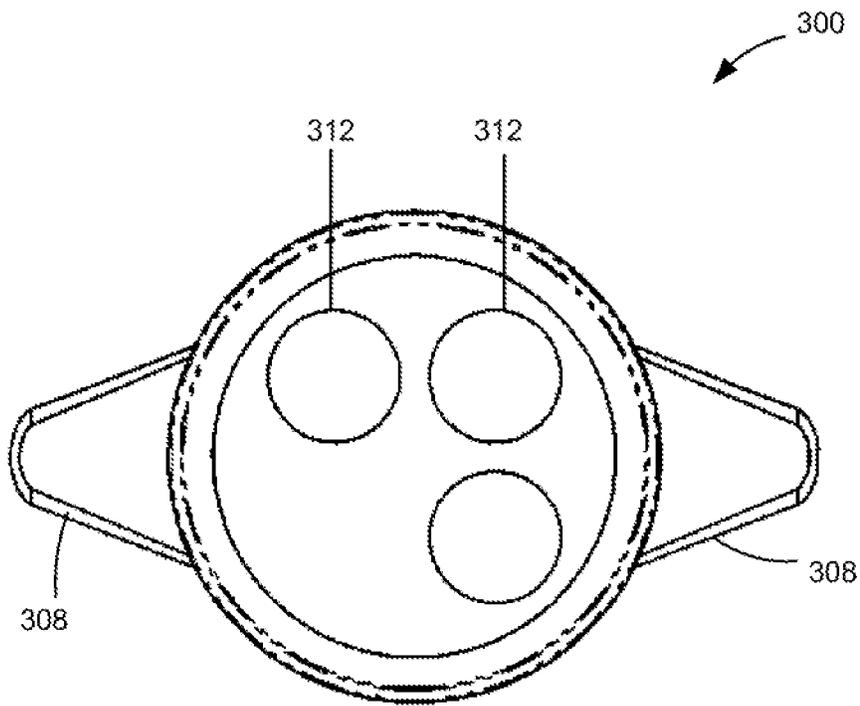


FIG. 46

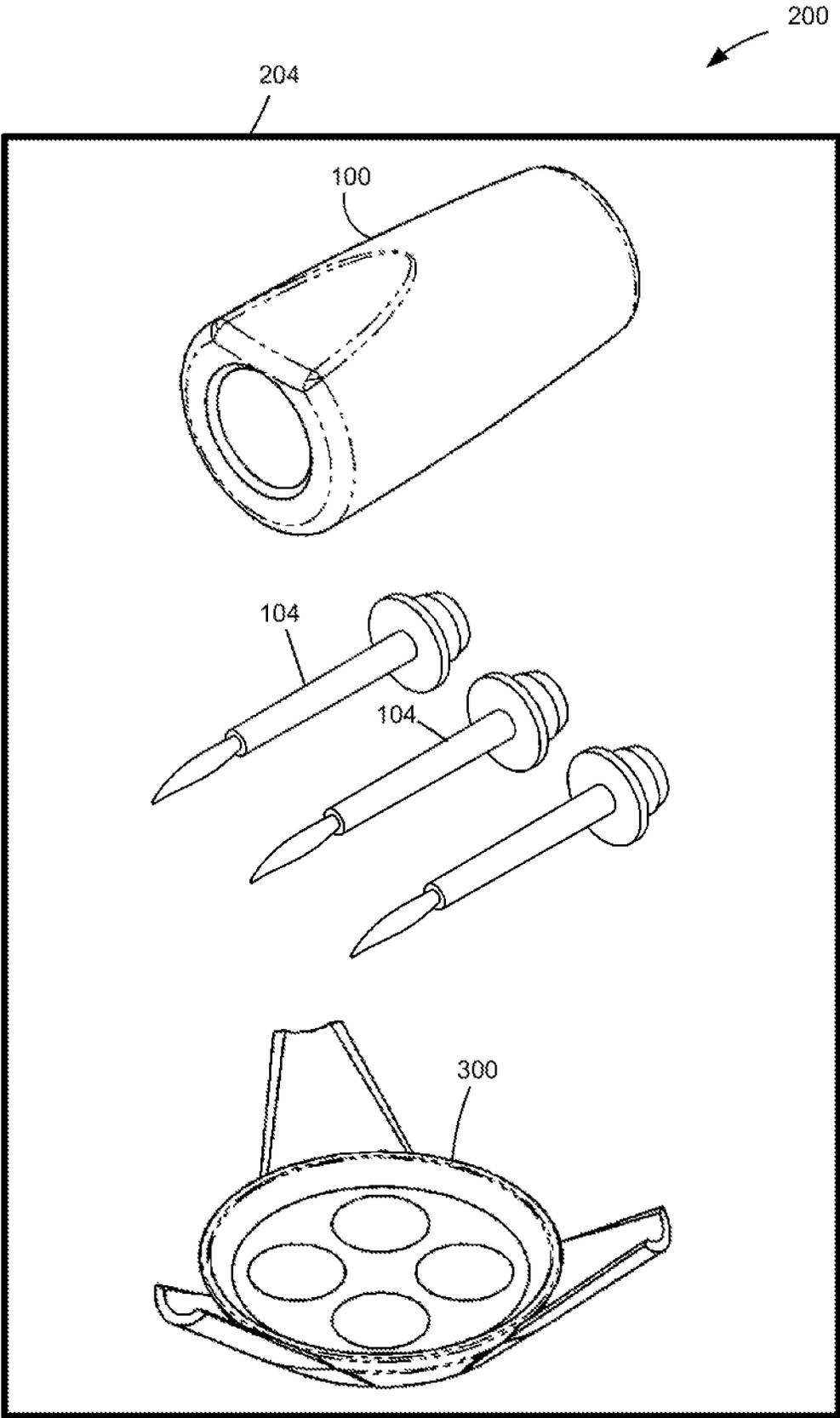


FIG. 47

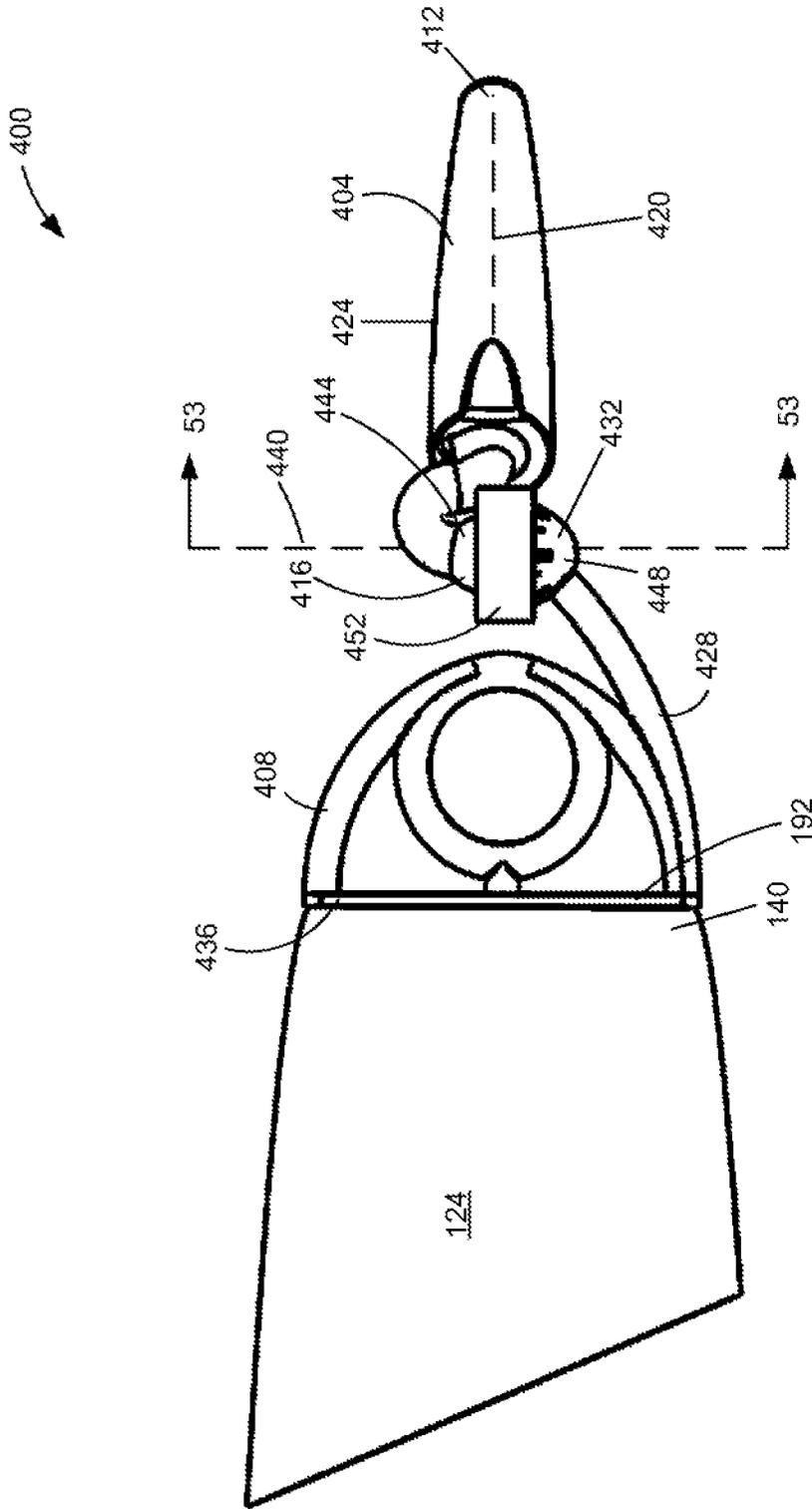


FIG. 48

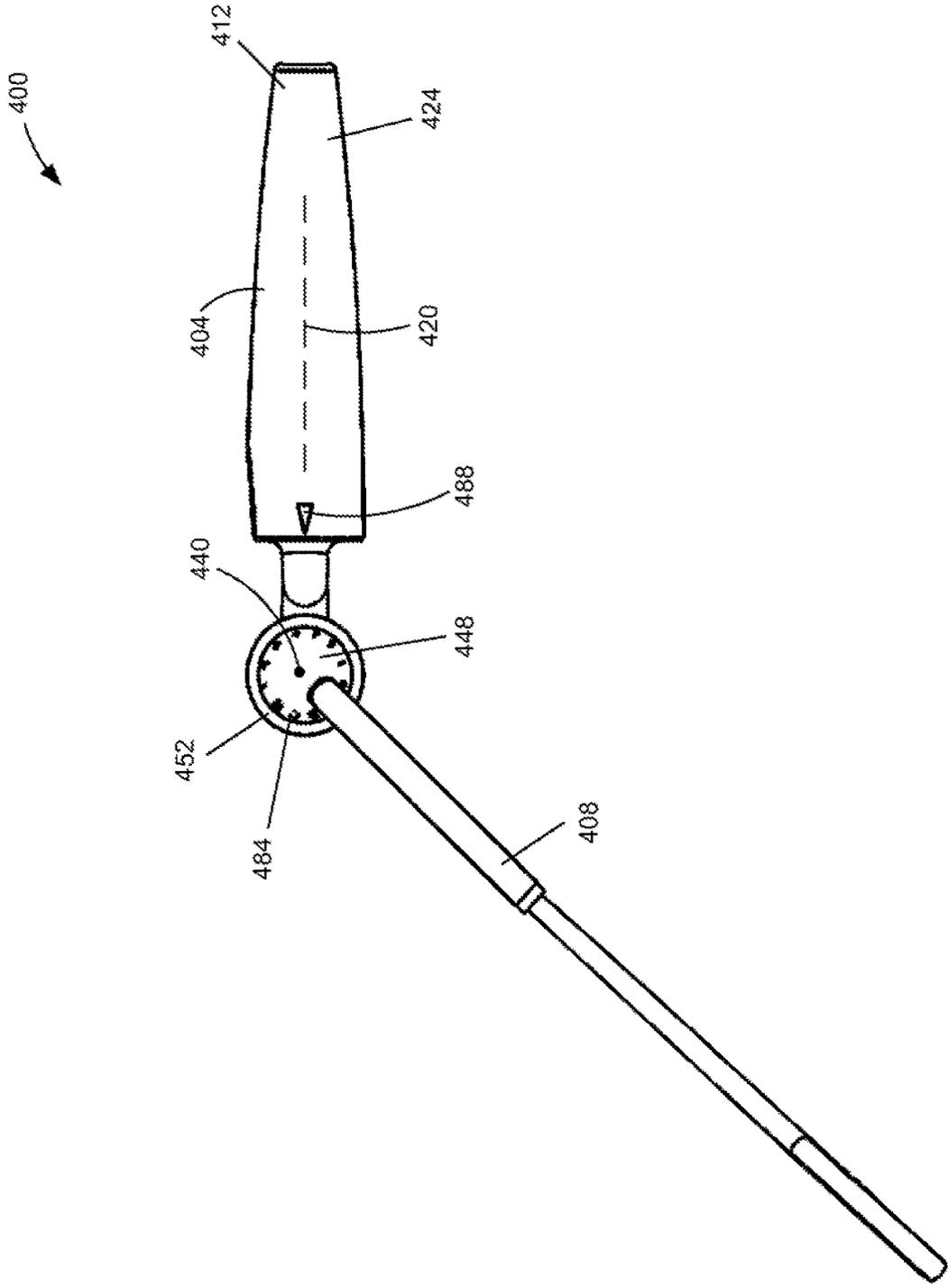


FIG. 49

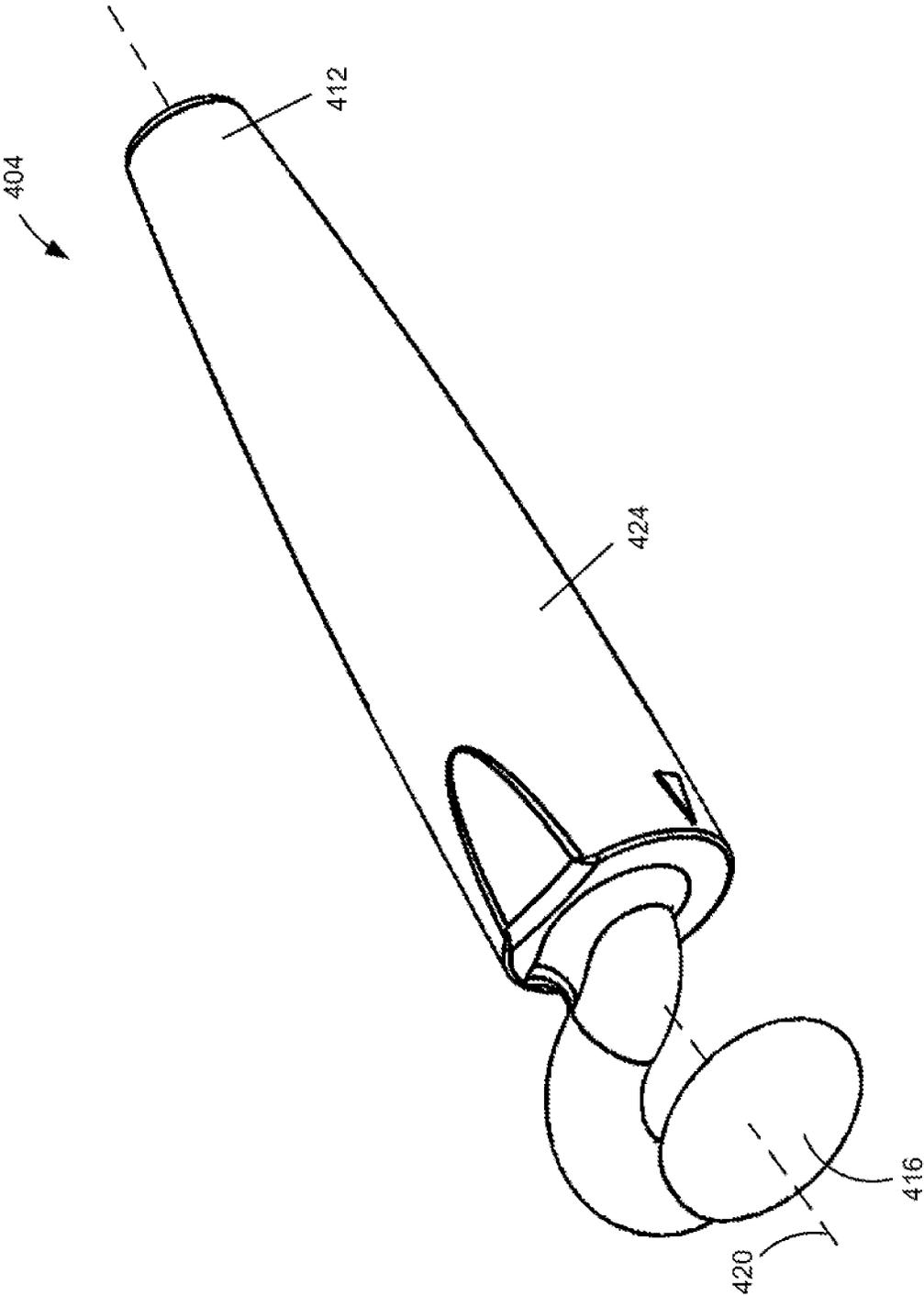


FIG. 50

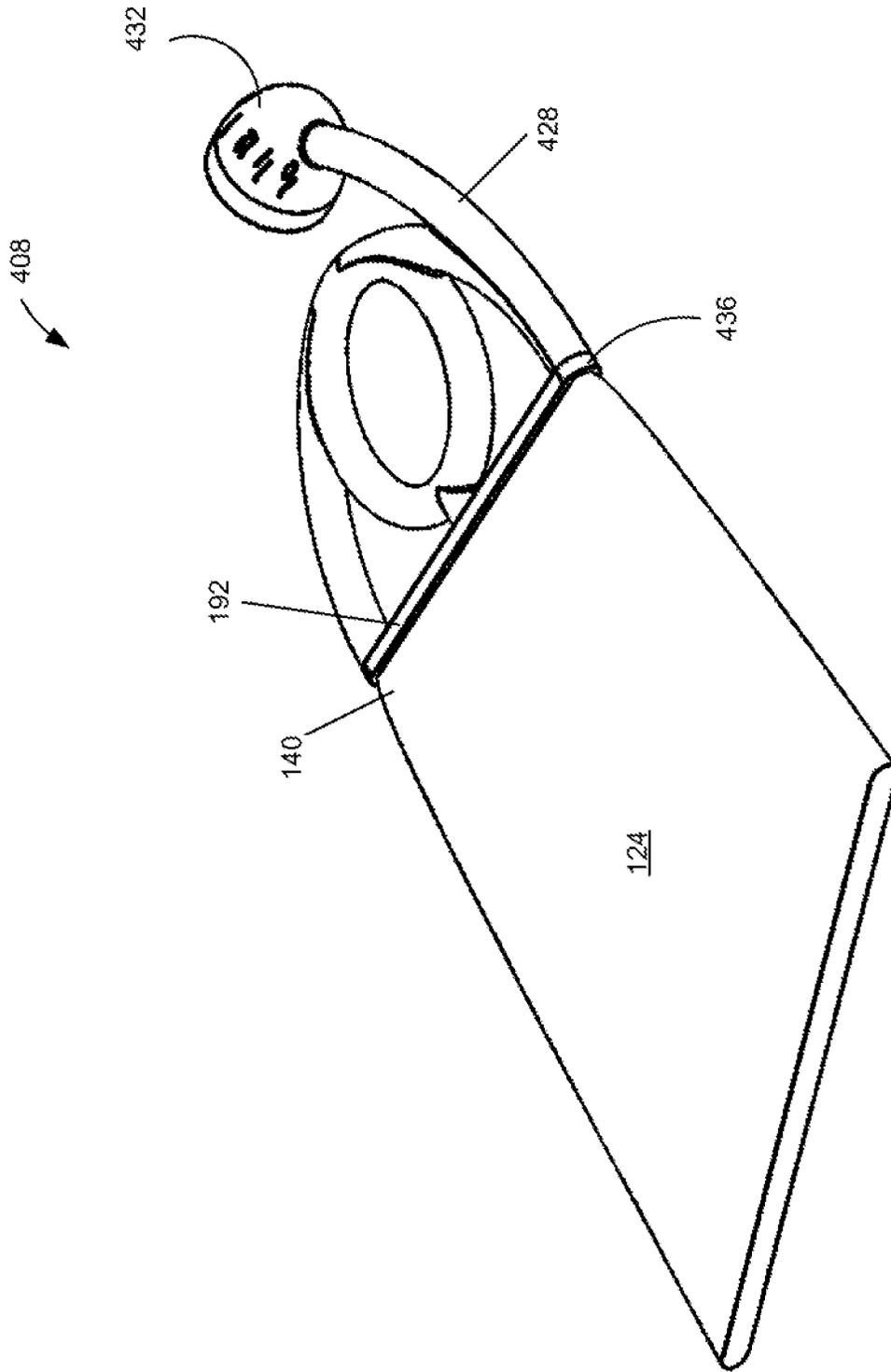


FIG. 51

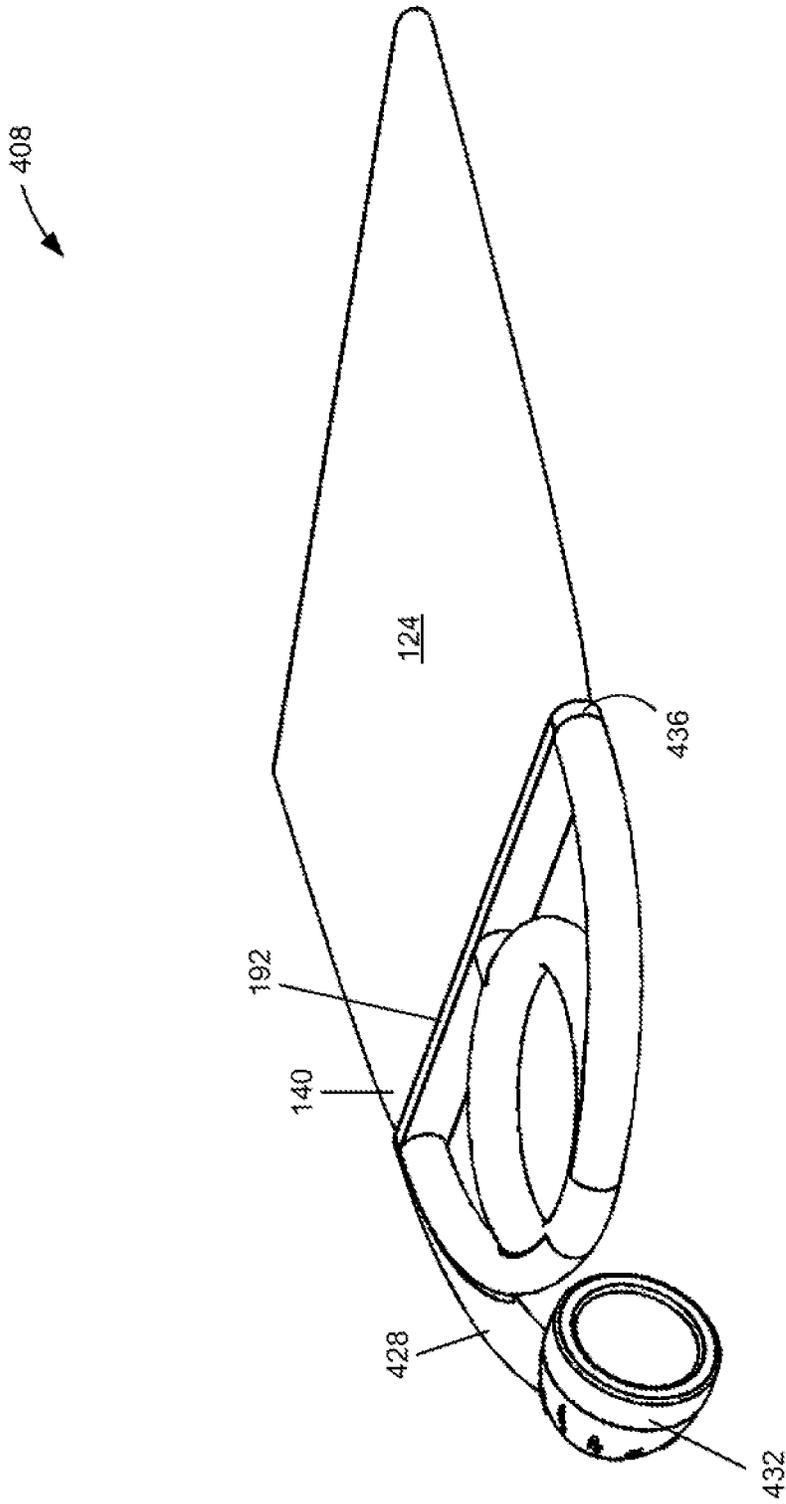


FIG. 52

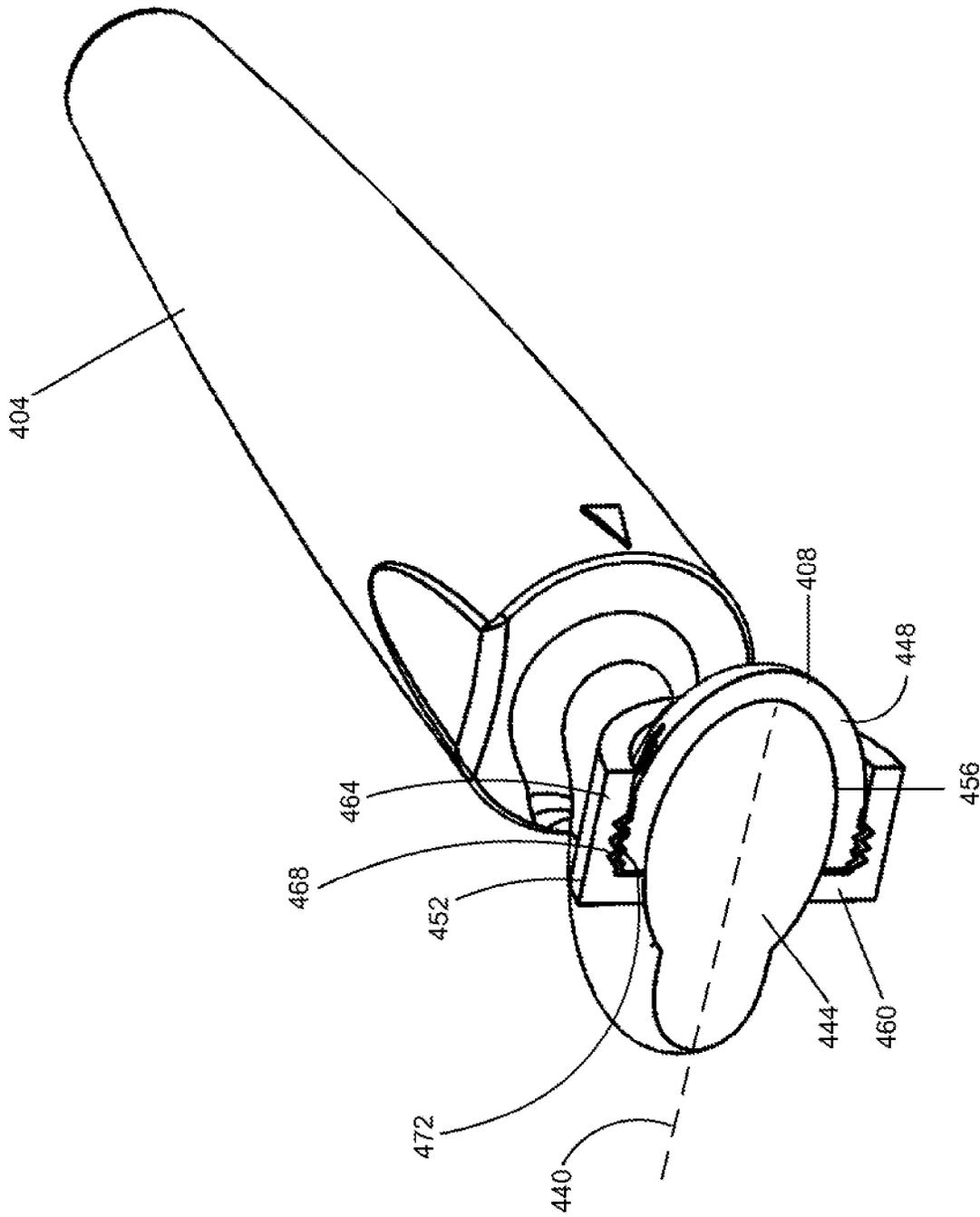


FIG. 53

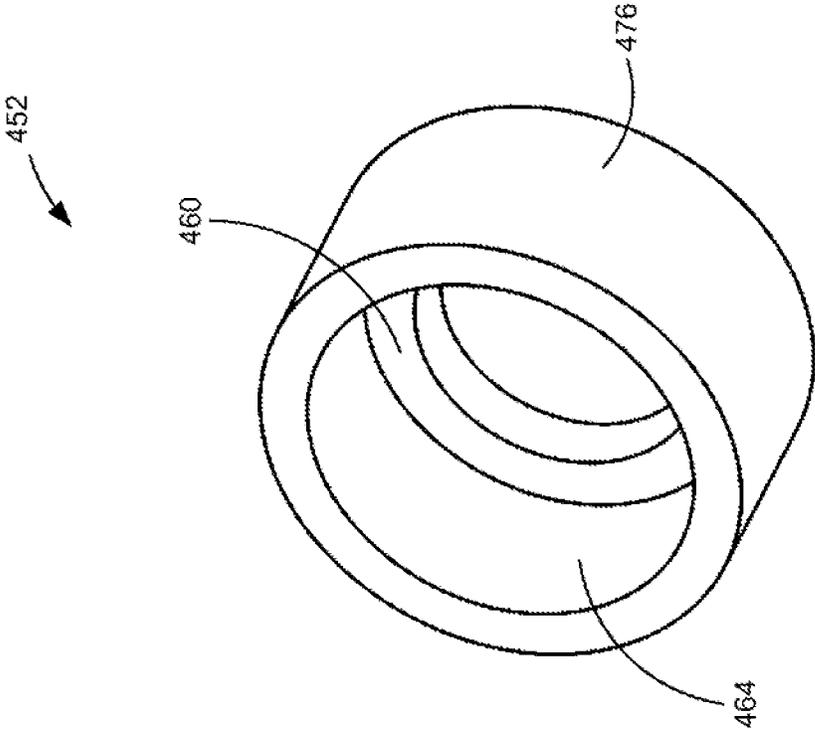


FIG. 55

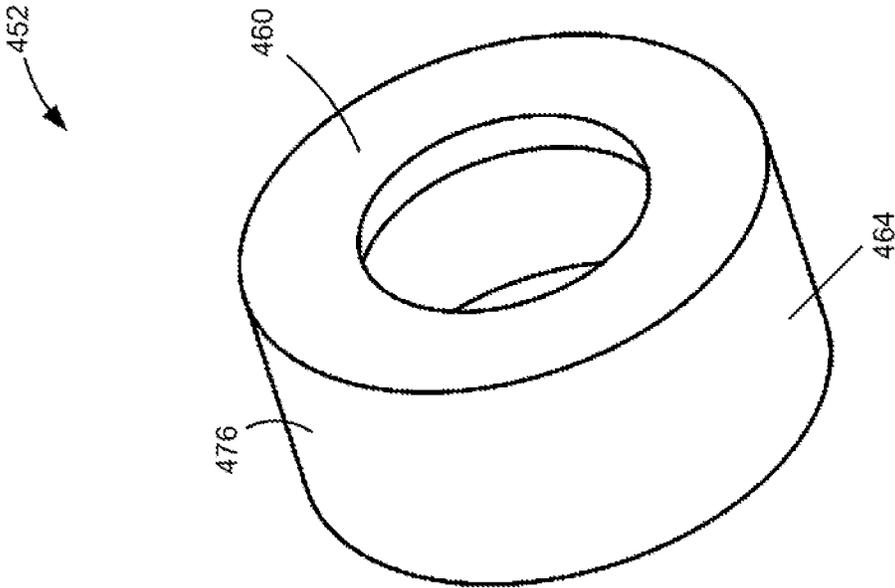


FIG. 54

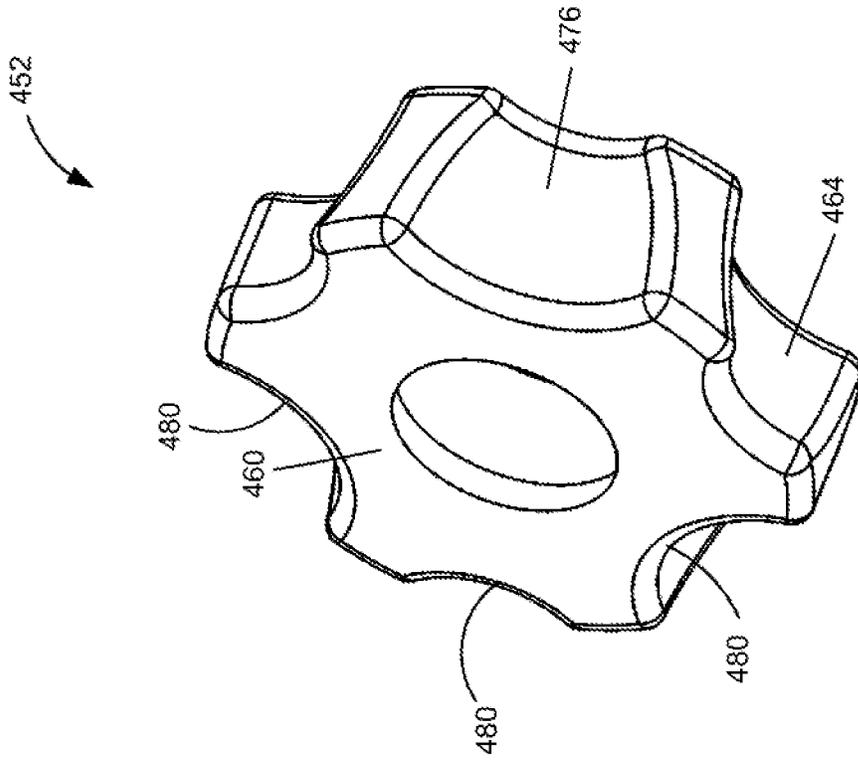


FIG. 57

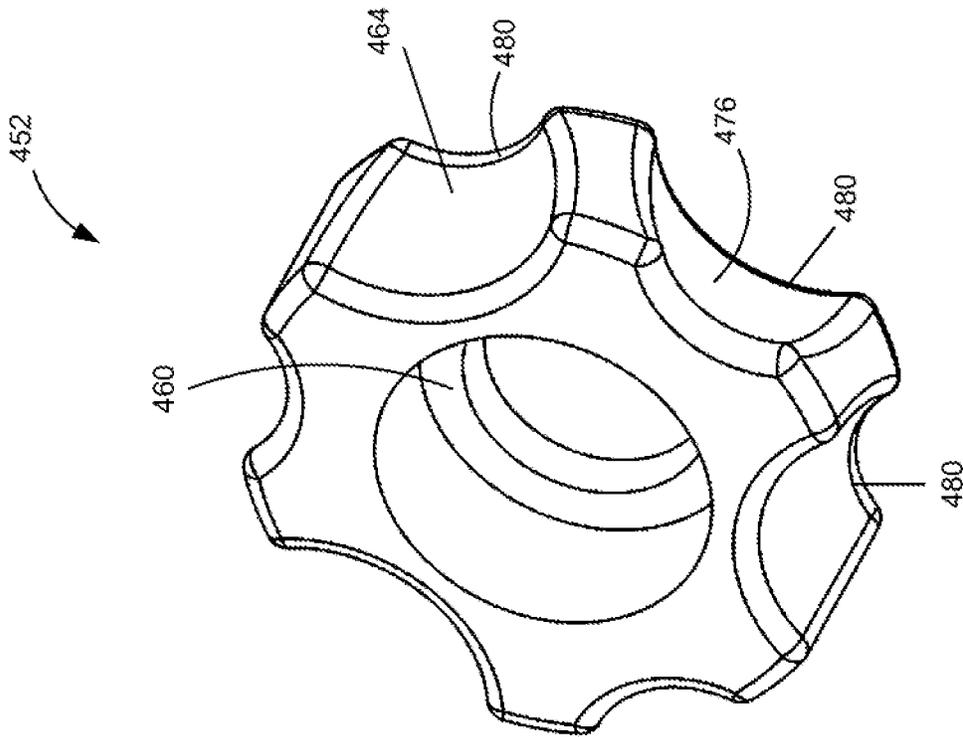


FIG. 56

1

NAIL POLISH PALLET AND NAIL POLISH SYSTEM

FIELD

This application relates to the field of nail polish pallets, and nail polish systems.

INTRODUCTION

Nail polish is a paint, clear or colored, that can be applied to fingernails or toenails to decorate and/or protect the nail plates. Nail painting can require skill and time to perform. Many beauty salons offer services to apply nail polish to customers' nails.

SUMMARY

In one aspect, a nail polish pallet is provided. The nail polish pallet may include a base and at least one nail polish cap stand. The base may have a plurality of nail polish reservoirs inboard of a base periphery. Each reservoir may be formed as a depression in the base with an open reservoir upper end. At least one nail polish cap stand may be coupled to the base. Each nail polish cap stand may include a cap rest and a cap seat. The cap rest may have an upper rest surface with a longitudinal length and transverse width. The upper rest surface may extend longitudinally from a cap rest inner end to a cap rest outer end. The cap rest outer end may be positioned above and outboard of the base and the cap rest inner end. The cap seat may be positioned proximate an inboard portion of the cap rest, and may have a seating surface extending transversely to the upper rest surface.

In another aspect, a nail polish system is provided. The nail polish system may include a nail polish cap, and a plurality nail polish applicator brushes. The nail polish cap may have an outer handling surface and an inner applicator brush engagement portion. Each nail polish applicator brush may include a stem, a plurality of bristles, and a cap engagement portion. The stem may extend longitudinally from a stem inboard end to a stem outboard end. The plurality of bristles may extend longitudinally from a bristle inboard end, connected to the stem outboard end, and a bristle outboard end. The cap engagement portion may be connected to the stem inboard end. The cap engagement end may be removably connectable to the inner applicator brush engagement portion of the nail polish cap.

In another aspect, a method of sanitary practice for a beauty salon is provided. The method may include applying nail polish to at least one nail of a first person, using a first nail polish applicator brush removably connected to a nail polish cap; after said applying, removing the nail polish applicator brush from the nail polish cap, and disposing of the first nail polish applicator brush; connecting a second nail polish applicator brush, structurally identical to the first nail polish applicator brush, to the nail polish cap; and applying nail polish to at least one nail of a second person, using the second nail polish applicator brush removably connected to the nail polish cap.

In another aspect, a nail polish system is provided. The nail polish system may include a brush handle and at least one nail polish applicator brush. The brush handle may have an outer handling surface, a handle longitudinal axis, and a brush engagement portion. Each nail polish applicator brush may include a base extending longitudinally from a base inboard end to a base outboard end, a plurality of bristles extending longitudinally from a bristle inboard end to a

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bristle outboard end, the bristle inboard end connected to the base outboard end, and a handle engagement portion connected to the base inboard end. The handle engagement portion may be removably and rotatably connectable to the nail polish applicator brush engagement portion, and when connected the nail polish applicator brush may be rotatable relative to the brush handle about a rotation axis transverse to the handle longitudinal axis.

DRAWINGS

FIG. 1 is a nail polish cap in accordance with an embodiment;

FIG. 2 is a cross-section taken along line 2-2 in FIG. 1;

FIG. 3 is a perspective view a nail polish applicator brush being connected to the nail polish cap of FIG. 1;

FIG. 4 is a cross-section taken along line 4-4 in FIG. 2;

FIG. 5 is a perspective view of a nail polish applicator brush in accordance with an embodiment;

FIG. 6 is a side elevation view of the nail polish applicator brush of FIG. 5;

FIG. 7 is a perspective view of a nail polish applicator brush in accordance with another embodiment;

FIG. 8 is a side elevation view of the nail polish applicator brush of FIG. 7;

FIG. 9 is a perspective view of a nail polish applicator brush in accordance with another embodiment;

FIG. 10 is a side elevation view of the nail polish applicator brush of FIG. 9;

FIG. 11 is a perspective view of a nail polish applicator brush in accordance with another embodiment;

FIG. 12 is a side elevation view of the nail polish applicator brush of FIG. 11;

FIG. 13 is a perspective view of a nail polish applicator brush in accordance with another embodiment;

FIG. 14 is a side elevation view of the nail polish applicator brush of FIG. 13;

FIG. 15 is a perspective view of a nail polish applicator brush in accordance with another embodiment;

FIG. 16 is a side elevation view of the nail polish applicator brush of FIG. 15;

FIG. 17 is a perspective view of a nail polish applicator brush in accordance with another embodiment;

FIG. 18 is a side elevation view of the nail polish applicator brush of FIG. 17;

FIG. 19 is a perspective view of a nail polish cap and connected nail polish applicator brush, in accordance with an embodiment;

FIG. 20 is a top plan view of the nail polish cap and connected nail polish applicator brush of FIG. 19;

FIG. 21 is a perspective view of a nail polish cap in accordance with another embodiment;

FIG. 22 is a perspective view of a nail polish cap in accordance with another embodiment;

FIG. 23 is a schematic view of a nail polish system in accordance with an embodiment;

FIG. 24 is a perspective view of a nail polish cap and connected nail polish applicator brush supported on a nail polish pallet, in accordance with an embodiment;

FIG. 25 is a top plan view of the nail cap and connected nail polish applicator brush supported on the nail polish pallet of FIG. 24;

FIG. 26 is a side elevation view of the nail cap and connected nail polish applicator brush supported on the nail polish pallet of FIG. 24;

FIG. 27 is a perspective view of a nail polish pallet, in accordance with another embodiment;

FIG. 28 is a side elevation view of the nail polish pallet of FIG. 27;

FIG. 29 is a perspective view of a nail polish pallet, in accordance with another embodiment;

FIG. 30 is a side elevation view of the nail polish pallet of FIG. 29;

FIG. 31 is a perspective view of a nail polish pallet, in accordance with another embodiment;

FIG. 32 is a top plan view of the nail polish pallet of FIG. 31;

FIG. 33 is a side elevation view of the nail polish pallet of FIG. 31;

FIG. 34 is a perspective view of a nail polish pallet, in accordance with another embodiment;

FIG. 35 is another perspective view of the nail polish pallet of FIG. 34;

FIG. 36 is a top plan view of the nail polish pallet of FIG. 34;

FIG. 37 is a perspective view of a nail polish pallet, in accordance with another embodiment;

FIG. 38 is a top plan view of the nail polish pallet of FIG. 37;

FIG. 39 is a perspective view of a nail polish pallet, in accordance with another embodiment;

FIG. 40 is a top plan view of the nail polish pallet of FIG. 39;

FIG. 41 is a perspective view of a nail polish pallet, in accordance with another embodiment;

FIG. 42 is a top plan view of the nail polish pallet of FIG. 41;

FIG. 43 is a perspective view of a nail polish pallet, in accordance with another embodiment;

FIG. 44 is a top plan view of the nail polish pallet of FIG. 43;

FIG. 45 is a perspective view of a nail polish pallet, in accordance with another embodiment;

FIG. 46 is a top plan view of the nail polish pallet of FIG. 45;

FIG. 47 is a schematic view of a nail polish system in accordance with another embodiment;

FIG. 48 is a top view of a nail polish system in accordance with another embodiment;

FIG. 49 is a side elevation view of the nail polish system of FIG. 48;

FIG. 50 is a perspective view of a brush handle of the nail polish system of FIG. 48;

FIG. 51 is a front perspective view of an applicator brush of the nail polish system of FIG. 48;

FIG. 52 is a rear perspective view of the applicator brush of FIG. 51;

FIG. 53 is a cross-sectional view taken along line 53-53 in FIG. 48

FIG. 54 is a front perspective view of a rotary lock in accordance with an embodiment;

FIG. 55 is a rear perspective view of the rotary lock of FIG. 54;

FIG. 56 is a rear perspective view of a rotary lock in accordance with another embodiment; and

FIG. 57 is a front perspective view of the rotary lock of FIG. 56.

DESCRIPTION OF VARIOUS EMBODIMENTS

Numerous embodiments are described in this application, and are presented for illustrative purposes only. The described embodiments are not intended to be limiting in any sense. The invention is widely applicable to numerous

embodiments, as is readily apparent from the disclosure herein. Those skilled in the art will recognize that the present invention may be practiced with modification and alteration without departing from the teachings disclosed herein. Although particular features of the present invention may be described with reference to one or more particular embodiments or figures, it should be understood that such features are not limited to usage in the one or more particular embodiments or figures with reference to which they are described.

The terms “an embodiment,” “embodiment,” “embodiments,” “the embodiment,” “the embodiments,” “one or more embodiments,” “some embodiments,” and “one embodiment” mean “one or more (but not all) embodiments of the present invention(s),” unless expressly specified otherwise.

The terms “including,” “comprising” and variations thereof mean “including but not limited to,” unless expressly specified otherwise. A listing of items does not imply that any or all of the items are mutually exclusive, unless expressly specified otherwise. The terms “a,” “an” and “the” mean “one or more,” unless expressly specified otherwise.

As used herein and in the claims, a first element is said to be “transverse” to a second element where the elements are oriented within 45 degrees of perpendicular to each other.

As used herein and in the claims, two or more parts are said to be “coupled,” “connected,” “attached,” “joined” or “fastened” where the parts are joined or operate together either directly or indirectly (i.e., through one or more intermediate parts), so long as a link occurs. As used herein and in the claims, two or more parts are said to be “directly coupled,” “directly connected,” “directly attached,” “directly joined,” or “directly fastened” where the parts are connected in physical contact with each other. As used herein, two or more parts are said to be “rigidly coupled,” “rigidly connected,” “rigidly attached,” “rigidly joined,” or “rigidly fastened” where the parts are coupled so as to move as one while maintaining a constant orientation relative to each other. None of the terms “coupled,” “connected,” “attached,” “joined,” and “fastened” distinguish the manner in which two or more parts are joined together.

As used herein and in the claims, “nail polish” refers to any fluid coating intended for application to human fingernails or toenails. This includes, but is not limited to, creme finish, chrome and metallic finish, glitter finish, matte finish, flaky finish, holographic finish, duochrome finish, textured finish, neon finish, jelly finish, shimmer finish, foil finish, pearl finish, and suede finish polishes, as well as acrylic, gel, and shellac based polishes.

Standard bottles of nail polish contain enough nail polish to paint many complete sets of fingernails and toenails. Many nail polish bottles include a nail polish cap with a permanently connected nail polish applicator brush which is held inside the nail polish bottle when the nail polish cap seals the nail polish bottle. Fungal infections are common in fingernails and toenails, and fungal spores can be spread by a nail polish applicator brush which has made contact with an infected nail. In the context of a beauty salon, it is important to mitigate the spread of fungal infections between customers. However, it is not commercially feasible to dispose of nail polish bottles after each use in order to avoid reusing the included nail polish applicator brush. Also, sanitizing the included nail polish applicator brush may be inconvenient and time consuming.

FIGS. 1-4 show a nail polish cap 100 and nail polish applicator brush 104, in accordance with an embodiment. Nail polish applicator brush 104 is removably connectable to

nail polish cap **100**. This allows nail polish applicator brush **104** to be disposed after each use, and the nail polish cap **100** to be replaced onto the bottle of nail polish. In turn, this allows the bottle of nail polish to be used in several sessions without risk of spreading fungal spores, and without the time and inconvenience of sanitizing the used nail polish applicator brush **104**. Before reclosing the bottle of nail polish with nail polish cap **100**, or after reopening the nail polish bottle for a subsequent use, a new (unused), clean (e.g. sterile or free of fungal spores) nail polish applicator brush **104** can be connected to the nail polish cap **100**. In the context of a beauty salon, nail polish cap **100** and disposable nail polish applicator brushes **104** can enhance time efficiency by eliminating brush sanitizing activities, and improve customer satisfaction with a visibly effective sanitation practice (disposal of used nail polish applicator brushes).

As shown, nail polish cap **100** includes an outer handling surface **108**, an inner bottle engagement portion **112**, and an inner applicator brush engagement portion **116**. The outer handling surface **108** provides a surface to grasp by a user's hands when manipulating nail polish cap **100** to apply nail polish from the nail polish applicator brush **104** to nails. The inner bottle engagement portion **112** is structured to releasably engage with a nail polish bottle. When so engaged, the nail polish cap **100** may seal the nail polish bottle. The inner applicator brush engagement portion is structured to releasably engage with a nail polish applicator brush **104**. When so engaged, the nail polish cap **100** provides a handle for manipulating the connected nail polish applicator brush **104** for applying nail polish to nails.

In alternative embodiments, nail polish cap **100** does not include an inner bottle engagement portion **112** that releasably engages a nail polish bottle to allow the nail polish cap **100** to seal an opening of a nail polish bottle. Instead, the nail polish cap **100** may be sized to sit atop the nail polish bottle (also referred to as 'capping' the nail polish bottle) without attaching to or sealing the nail polish bottle.

Nail polish applicator brush **104** is shown including a stem **120**, a plurality of bristles **124**, and a cap engagement portion **128**. Stem **120** extends longitudinally from a stem inboard end **132** to a stem outboard end **136**. Bristles **124** are connected to stem **120**, and extend longitudinally from a bristles inboard end **140** to a bristles outboard end **144**. Bristles inboard end **140** is connected to stem outboard end **136**, and bristles outboard end **144** is free to receive nail polish and paint the nail polish onto nails. Cap engagement portion **128** is connected to stem inboard end **140**, and is removably connectable to inner applicator brush engagement portion **116** of nail polish cap **100**.

Still referring to FIGS. 1-4, nail polish cap **100** can include any outer handling surface **108** suitable for manual grasping (i.e. by hand) to manipulate nail polish cap **100** and a connected nail polish applicator brush **104** to paint nail polish onto nails. In the illustrated example, outer handling surface **108** is predominantly cylindrical in shape with a flat face **148** for added grip. FIGS. 21-22 show alternative embodiments including outer handling surfaces **108** with elongated proportions. As shown, outer handling surface **108** may have a length **149** to width (or diameter) **150** ratio of 5:1 or greater. This may improve manual handling of nail polish cap **100** for better user control when painting. In some embodiments, outer handling surface **108** may have a different shape, which may include a triangular, rectangular, hexagonal or other regular or irregular cross-sectional shape.

Returning to FIGS. 1-4, nail polish cap **100** can include any inner bottle engagement portion **112** suitable for remov-

able connection with a nail polish bottle. Nail polish cap **100** extends longitudinally from a cap lower end **152** to a cap upper end **156**. As shown, cap lower end **152** includes an opening **160** to a cavity **164** (also referred to as a recess). Inner bottle engagement portion **112** may define or be provided on the inward facing wall(s) **168** of cap cavity **164**. In use, the neck finish of a nail polish bottle may be inserted into cavity **164** and engaged by inner bottle engagement portion **112**, which may act to retain nail polish cap **100** on the nail polish bottle until selectively removed by the user. Inner bottle engagement portion **112** may include flat walls as shown, that form a press fit onto the nail polish bottle, or may include engagement members such as threads, protrusions, or recesses.

Still referring to FIGS. 1-4, inner brush engagement portion **116** and cap engagement portion **128** can have any configurations suitable to provide a connection that is secure while painting, and manually releasable (i.e. by hand, without tools). As shown, inner brush engagement portion **112** may define or be provided on cap cavity wall(s) **172** located upwardly (i.e. inwardly) of inner bottle engagement portion **112**. Inner brush engagement portion **116** may be sized to form a press fit with inner bottle engagement portion **112** when received in cap cavity **164**. As shown, inner brush engagement portion **116** may be moved longitudinally through cap opening **160** past cap engagement portion **128** into engagement with inner applicator brush engagement portion **116**.

Brush stem **120** may be spaced apart from inner bottle engagement portion **112** when nail polish applicator brush **104** is connected to nail polish cap **100**. As shown, when nail polish applicator brush **104** is connected to nail polish cap **100**, brush stem **120** may be spaced apart from inner bottle engagement portion **112** by a radial distance **176**. Radial distance **176** may provide clearance for the neck finish of a nail polish bottle inserted into engagement with inner bottle engagement portion **112**. Consequently, radial distance **176** may permit nail polish cap **100** to be connected to a nail polish bottle while nail polish applicator brush **104** is connected to nail polish cap **100**. In this case, nail polish applicator brush **104** may be a new, clean applicator brush connected after disposing the previous, used applicator brush.

In some embodiments, a guide collar **180** may be connected to stem inboard end **132**. The guide collar **180** may help guide cap engagement portion **128** into engagement with brush engagement portion **116** when connecting nail polish applicator brush **104** to nail polish cap **100**. As shown, guide collar **180** may be positioned below cap engagement portion **128**, and extend radially outwardly of cap engagement portion **128**. In use, guide collar **180** may interact with the cavity wall(s) **168** to help center cap engagement portion **128** as it moves into engagement with brush engagement portion **116**. This can make connecting nail polish applicator brush **104** to nail polish cap **100** easier.

Brush engagement portion **116** and cap engagement portion **128** can have any mating configurations. FIGS. 5-6 illustrates an embodiment including a cap engagement portion **128** having a round (e.g. circular) cross-sectional shape for forming a press fit with brush engagement portion **116** (FIG. 4). FIGS. 7-8 illustrate an embodiment including a cap engagement portion **128** having a rectangular (e.g. square) cross-sectional shape for forming a press fit with stem engagement portion **116** (FIG. 4). FIGS. 9-10 illustrate an embodiment including a cap engagement portion **128** having

an eight-sided (e.g. octagonal) cross-sectional shape for forming a press fit with stem engagement portion 116 (FIG. 4).

Referring to FIGS. 11-12, in some embodiments, cap engagement portion 128 may include one or more protruding engagement members 184. In the illustrated embodiment, cap engagement portion 128 includes a plurality of engagement members 184 which are formed as discrete, peripherally distributed, protrusions. Engagement members 184 may mate with features of brush engagement portion 116 (FIG. 4) to form a secure, removable connection.

Referring to FIGS. 13-14, in some embodiments, cap engagement portion 128 may include threads 188. Threads 188 may be sized to mate with corresponding threads of cap engagement portion 128, and thereby form a secure, removable connection.

Returning to FIG. 4, cap engagement portion 128 may be connected to brush stem 120 in any manner that provides a secure connection. For example, cap engagement portion 128 may be integrally formed with brush stem 120 as shown, or discretely formed and attached to brush stem 120 (e.g. by adhesive, welds, or a fastener).

Referring to FIG. 3, nail polish applicator brush 104 can have any brush bristles 124 suitable for applying nail polish to nails. For example, brush bristles 124 may have a round shape as shown in FIG. 3, a pointed round shape as shown in FIG. 5, or a flat shape as shown in FIGS. 15-16. FIGS. 17-20 show another embodiment of nail polish applicator brush 104 including bristles 124 having an extra-wide flat shape. As shown, bristles 124 may be connected to brush stem 120 by a bristle connector 192. This can allow bristles 124 to have a bundle width 196 that is wider than brush stem width 122. As seen in FIGS. 19-20, this can allow brush stem width 122 to maintain a diameter narrow enough to insert into engagement with nail polish cap 100.

FIG. 23 is a schematic view of a nail polish system 200. Nail polish system 200 may include at least one nail polish cap 100, and a plurality of nail polish applicator brushes 104 that are greater in number than the nail polish cap(s) 100. For example, nail polish system 200 may include less than 10 nail polish caps 100 and at least 50 nail polish applicator brushes 104. The ratio of nail polish applicator brushes 104 to nail polish caps 100 may be at least 5 to 1 so that a cap can be reused with enough nail polish applicator brushes 104 to consume a bottle of nail polish. In some embodiments, the ratio of nail polish applicator brushes 104 to nail polish caps 100 may be at least 50 to 1 so that a cap can be reused with enough nail polish applicator brushes 104 to consume several bottles of nail polish.

Within nail polish system 200, the plurality of nail polish applicator brushes 104 may include many structurally identical (also referred to as physically identical) nail polish applicator brushes 104. This allows the nail polish applicator brushes 104 to be disposed and replaced by an identical, unused nail polish applicator brush 104.

In some embodiments, nail polish system 200 may include two or more different types of nail polish applicator brushes 104. For example, each type of the nail polish applicator brush 104 may differ by size and/or shape of bristles 124. In this case, nail polish system 200 would include a plurality of identical nail polish applicator brushes 104 of each type, so that used nail polish applicator brushes 104 can be disposed of and replaced.

As shown, nail polish system 200 may be packaged in sales packaging 204 for sale and distribution to purchasers (e.g. beauty salons or retail consumers).

Reference is now made to FIGS. 48-49, which show a nail polish system 400 in accordance with another embodiment. As shown, nail polish system 400 includes a brush handle 404 connected to a nail polish applicator brush 408. As in other embodiments described herein, applicator brush 408 may be removably connected to brush handle 404. For example, applicator brush 408 may be disposable, and brush handle 404 may be reusable with a new applicator brush 408 as each applicator brush 408 is disposed. In other embodiments, applicator brush 408 is not disposable. For example, brush handle 404 may be permanently connected to applicator brush 408.

Referring to FIGS. 48 and 50, brush handle 404 extends from an inboard end 412 to an outboard end 416, and has a longitudinal axis 420. As shown, brush handle 404 has an outer handling surface 424 sized to be manually held (i.e. by hand) and manipulated to apply nail polish using applicator brush 408.

Referring to FIGS. 48 and 51-52, applicator brush 408 may include a base 428 that extends longitudinally from a base inboard end 432 to a base outboard end 436. Bristles 124 have an inboard end 140 connected to base outboard end 436, and extend longitudinally outward of brush base 428. Applicator brush 408 may have any arrangement of bristles 124. For example, applicator brush 408 may have a round, flat, bright, filbert, fan, angle, mop, or rigger configuration as they are known in the art. In the illustrated example, brush base 428 includes a brush connector 192 (e.g. ferrule) that provides a configuration of bristles 124 known as an angle configuration.

Returning to FIGS. 48-49, brush handle 404 may be rotatably connected to applicator brush 408, whereby applicator brush 408 can rotate about a rotation axis 440. As shown, rotation axis 440 is transverse to handle longitudinal axis 420. For example, rotation axis 440 may be perpendicular to handle longitudinal axis 420 as illustrated. The rotatable connection allows the user to orient applicator brush 408 at an angle that provides best comfort and control. In turn, this allows users (e.g. nail salon staff) to comfortably service clients for extended periods and produce high quality work.

Brush handle 404 may be connected to applicator brush 408 in any manner that allows applicator brush 408 to rotate about rotation axis 440 while connected to brush handle 404. In the illustrated example, brush handle 404 includes a brush engagement portion 444 at handle outboard end 416, applicator brush 408 includes a handle engagement portion 448 at brush base inboard end 432, and engagement portions 444 and 448 are rotatably joined by a rotary lock 452. Rotary lock 452 may be movable between an unlocked position and a locked position. In the unlocked position, applicator brush 408 may be rotatable about rotation axis 440 relative to brush handle 404. In the locked position, rotation of applicator brush 408 relative to brush handle 404 may be inhibited, whereby the relative angle between applicator brush 408 and brush handle 404 is fixed. Rotary lock 452 allows a user to adjust the angular position of applicator brush 408 when in the unlocked position, and then maintain that angular orientation when in the locked position. Thus, rotary lock 452 may provide the flexibility for the user to choose an angular orientation when unlocked, and the consistency of a fixed angular orientation when locked.

Referring to FIGS. 53-55, rotary lock 452 can have any configuration suitable to releasably lock the rotary position of application brush 408 relative to brush handle 404. As shown, handle engagement portion 448 may include a socket 456 that receives at least a portion of brush engage-

ment portion **444**. It will be appreciated that this configuration may be reversed, whereby brush engagement portion **444** includes socket **456** that receives at least a portion of handle engagement portion **448**. As shown, this socket connection allows brush engagement portion **444** to rotate relative to handle engagement portion **448** about rotation axis **440**.

Rotary lock **452** may be mounted to one of engagement portions **444** and **448**, and adjustably (e.g. releasably) connected to the other of engagement portions **444** and **448**. In the illustrated example, rotary lock **452** is mounted to brush engagement portion **444** of brush handle **404** and releasably connected to handle engagement portion **448** of applicator brush **408**. This allows rotary lock **452** to disconnect from applicator brush **408** so that applicator brush **408** can be disposed of and replaced with a new applicator brush **408**. As shown, rotary lock **452** may include a collar **460** mounted to brush engagement portion **444**, and a neck **464** extending from lock collar **460** that releasably engages handle engagement portion **448**. Neck **464** may have internal threads **468** that engage external threads **472** provided on handle engagement portion **448**. Threads **468** and **472** are only illustrated in FIG. **53** for clarity of illustration.

In use, a user may turn rotary lock **452** about rotation axis **440** to axially translate handle engagement portion **448** relative to brush engagement portion **444** along rotation axis **440** between an unlocked position and a locked position. In the locked position, rotary lock **452** pulls handle engagement portion **448** firmly against brush engagement portion **444**, whereby frictional engagement between the engagement portions **444** and **448** inhibits them from rotating relative to each. In the unlocked position, rotary lock **452** moves handle engagement portion **448** axially away from brush engagement portion **444** whereby engagement portions **444** and **448** are free to rotate relative to each other. Rotary lock **452** may be further loosened to the point that lock threads **468** release from engagement portion threads **472**, and applicator brush **408** can be disconnected from brush handle **404**.

As shown in FIGS. **54-55**, rotary lock **452** may have an outer handling surface **476** that a user can manually grasp (i.e. by hand) to turn rotary lock **452**. FIGS. **56-57** show another embodiment of rotary lock **452** having an outer handling surface **476** formed with a plurality of concavities **480** sized to accommodate a user's fingers. Concavities **480** can provide the user with better grip, which make it easier to torque rotary lock **452** between the unlocked and locked positions.

Turning to FIG. **49**, applicator brush **408** may include a plurality of angular indicators **484** that represent an angular orientation of applicator brush **408** relative to brush handle **404**. Any indicators **484** suitable to represent the angular orientation may be used. In the illustrated example, indicators **484** are numbers 1 through 12. In other embodiments, indicators **484** may include a different range of numbers (e.g. 0 through 360), non-numeric symbols (e.g. letters, or shapes), a color progression (e.g. a plurality of colors in sequence), or combinations thereof. As shown, brush handle **404** may include a complimentary indicator **488** that identifies the brush indicator **484** associated with the current angular position of applicator brush **408** relative to brush handle **404**.

Reference is now made to FIGS. **24-26**, which show a nail polish pallet **300** in accordance with an embodiment. Nail polish pallet **300** provides reservoirs to hold small volumes of several different nail polishes, and at least one nail polish cap stand to hold a nail polish cap **100** (with an attached nail

polish applicator brush **104**) in an upright orientation over the nail polish pallet **300**. In many cases, two or more different nail polishes are applied to the nails of one person (e.g. beauty salon client, also referred to as a customer). Replacing a nail polish cap onto its nail polish bottle when switching between nail polishes can contaminate the nail polish bottle with fungal spores, bacteria, or dirt for example. The nail polish pallet **300** provides a sanitary solution, which supports the nail polish cap **100** and connected applicator brush **104** outside of the nail polish bottle.

The nail polish pallet **300** can catch nail polish that may drip from the nail polish applicator brush while supported on a cap rest. The upright orientation of the nail polish cap can prevent nail polish from running up the brush stem into the nail polish cap, which may occur if the nail polish brush is laid horizontally on its side or vertically upside down on the cap end face. Also, the upright orientation of the nail polish cap can provide a compact footprint, as compared with laying the nail polish applicator brush horizontally on its side. Embodiments of nail polish pallet **300** including a plurality of cap stands can allow several nail polish caps with applicator brushes to be used and supported concurrently, whether by adjacent users (e.g. beauty salon employees treating the same or different clients) or by the same user in applying several different nail polishes to one person.

Still referring to FIGS. **24-26**, nail polish pallet **300** includes a base **304** and at least one nail polish cap stand **308**. Nail polish base **304** includes a plurality of nail polish reservoirs **312** distributed over base upper surface **316** inboard of base periphery **320**. Nail polish cap stand **308** is connected to nail polish base **304** and includes a cap rest **324** and a cap seat **328**, which together provide a stable support for a nail polish cap **100** and connected applicator brush **104**. Nail polish cap rest **324** provides support for an outer sidewall surface **332** (e.g. nail polish cap outer handling surface **108**) of nail polish cap **100**, and cap seat **328** provides support for cap lower end **152** of nail polish cap **100**.

Nail polish reservoirs **312** can have any configuration suitable for holding a volume of nail polish **314**. In the illustrated example, each nail polish reservoir **312** is formed as a depression (e.g. spherical, cylindrical, pyramidal, or cuboid depression) in base upper surface **316** and has an open reservoir upper end **336**. Nail polish reservoirs **312** may be spaced apart so that the contained nail polishes **314** do not mix. Each nail polish reservoir **312** may be sized to hold a volume of nail polish **314** commensurate with a single use application to one person's nails. For example, nail polish reservoirs **312** may be sized to hold less than 5 mL (e.g. between 0.5 mL and 5 mL). In some embodiments, nail polish reservoirs **312** have a volume up to 10 mL (e.g. between 0.5 mL and 10 mL) with a view to filling the reservoir only partially and thus mitigating overflowing.

Nail polish cap stands **308** may be formed in any manner suitable for holding a nail polish cap **100** and connected nail polish applicator brush **104** over nail polish pallet base **304**. In the illustrated example, nail polish cap stand **308** includes a cap rest **324** and a cap seat **328**, which together support a nail polish cap **100** above pallet base **304**. As shown, cap rest **324** extends longitudinally from a cap rest inner end **340** to a cap rest outer end **344**, and has a longitudinal length **348** and transverse width **352**.

Cap rest **324** may be inclined to horizontal to support nail polish cap **100** relatively upright, such that any nail polish on applicator brush **104** may drip onto nail polish pallet base **304** instead of flowing upwardly along brush stem **120** into nail polish cap **100**. As shown, cap rest inner end **340** is

connected to nail polish pallet base **304**, and cap rest outer end **344** is positioned above and outboard of pallet base **304** and cap rest inner end **340**. This may provide cap rest **324** with an inclined upper rest surface **356** for supporting nail polish cap outer sidewall surface **332**.

Cap rest **324** may have any dimensions that can stably accommodate a nail polish cap **100**. For example, cap rest **324** may have a transverse width **352** of between 1 cm and 5 cm, and a longitudinal length of between 2 cm and 10 cm. Cap rest upper rest surface **356** may be concave as shown, or planar for example. Nail polish cap **100** may have a substantially cylindrical shape which may provide little resistance to rolling in a transverse direction when rested. A concave shape (e.g. channel-like shape), such as shown, may provide additional transverse stability to a supported nail polish cap **100**.

Cap seat **328** can have any configuration that can support nail polish cap **100** against sliding down cap rest upper rest surface **356** into nail polish pallet base **304**. For example, cap rest **324** may provide a seating surface **360** for supporting cap lower end **152** when nail polish cap **100** is supported on cap stand **308**. As shown, cap seat **328** may be positioned proximate to an inboard portion **362** of cap rest **324**, and seating surface **360** may extend transversely to cap rest upper rest surface **356**. In the illustrated example, cap seat **328** overlies and is spaced apart from cap rest inboard portion **362**.

In some embodiments, cap rest **324** extends one or both of above and outboard of base upper surface **316**, as shown. This can allow cap rest **324** to support cap lower end **152** at an angle and elevation that provides clearance for brush stem **120** (which extends past cap lower end **152**) above pallet base **304**. In some embodiments, cap rest **324** and cap seat **328** are positioned and oriented to support nail polish cap **100**, with sufficient clearance above pallet base **304** that brush bristles **124** are overlaying and spaced apart from base upper surface **316**. When brush bristles **124** containing nail polish are in contact with a surface, they tend to release the nail polish they contain. By holding the brush bristles **124** spaced apart from base upper surface **316**, the loss of nail polish onto base upper surface **316** may be reduced.

Still referring to FIGS. 24-26, nail polish pallet **300** may include a rim **364** which at least partially surrounds nail polish base **304**. Rim **364** extends upwardly from base **304** to a rim upper surface **368**. In one aspect, rim **364** may help to inhibit nail polish on base upper surface **316** (e.g. drippings from applicator brush **104**) from inadvertently spilling over base periphery **320** onto the surface (e.g. table) below. In some embodiments, rim **364** completely surrounds pallet base **304**, as shown, so as to provide 360 degree protection against nail polish spilling over base periphery **320**. For example, rim **364** may extend the entire length of base periphery **320**.

In some embodiments, pallet rim **364** may form the cap seat **328** of each cap rest **324**. For example, pallet rim **364** may overly cap rest inboard portion **362** as shown. As exemplified, pallet rim upper surface **368** may define each cap seat seating surface **360**.

Nail polish cap rest **324** may be connected to nail polish base **304** in any manner suitable for carrying a nail polish cap **100** and applicator brush **104**. In the illustrated example, nail polish rest **324** is integrally formed with nail polish base **304**. Alternatively, nail polish cap rest **324** may be formed discretely and joined to nail polish base **304** (e.g. with adhesive, magnets, or fasteners).

Nail polish pallet **300** can be made of any material that is sufficiently impervious to nail polish **314** and sufficiently

strong to carry a nail polish cap **100** and connected applicator brush **104**. In some embodiments, nail polish pallet **300** is made of paper or plastic. For example, nail polish pallet **300** may be disposable and single-use. In other embodiments, nail polish pallet **300** is made of ceramic (e.g. porcelain), stone, or metal which may be easy to clean and sanitize for reuse.

Nail polish base **304** can have any shape suitable for holding a plurality of nail polish reservoirs. For example, nail polish base **304** may be substantially circular as shown in FIGS. 24-26, hexagonal as shown in FIGS. 27-28, octagonal as shown in FIGS. 29-30, semi-circular or crescent shaped as shown in FIGS. 31-33, or another regular or irregular shape. The crescent-shaped nail polish pallet **300** of FIGS. 31-33 is shown including a thumb recess **372**. Thumb recess **372** may be sized to accommodate a user's thumb when holding nail polish base **304**, with the remainder of the user's fingers disposed below the nail polish base **304**. This can provide a convenient manner of holding nail polish base **304**, in which most of the user's hand is below the nail polish base **304** and thus clear of the nail polish reservoirs **312**.

Nail polish pallet **300** can include any number of cap stands **308**. For example, nail polish pallet **300** can include one cap stand **308** as shown in FIGS. 34-36, two cap stands **308** as shown in FIGS. 37-38, three cap stands **308** as shown in FIGS. 39-40, four cap stands **308** as shown in FIGS. 41-42, five cap stands **308** as shown in FIGS. 31-33, or more than five cap stands **308**.

Further, cap stands **308** may be evenly distributed (i.e. with even spacing) about the entire base periphery **320** as shown in FIGS. 39-40, or unevenly distributed about the base periphery **320** as shown in FIGS. 41-42. Similarly, nail polish reservoirs **312** can be evenly distributed over base upper surface **316** as shown in FIGS. 24-25, or unevenly distributed over base upper surface **316** as shown in FIGS. 41-42. In FIGS. 41-42, base upper surface **316** includes a first portion **376** having a distribution of nail polish reservoirs **312**, and a second portion **380** that is free of nail polish reservoirs **312**. As shown, cap stands **308** are arranged to support nail polish caps and connected applicator brushes over base upper surface second portion **380**. For example, cap rest inner end **340** may be positioned proximate base upper surface second portion **380** as shown. This can allow any nail polish that drips from the applicator brushes to catch on base upper surface **316** away from nail polish reservoirs **312**, thereby mitigating unintentional mixing of different nail polishes. First and second portions **376** and **380** of base upper surface **316** can have any relative size ratio. In the illustrated embodiment, first and second portions **376** and **380** are substantially equal in size. In other embodiments, one of first and second portions **376** and **380** may be larger than the other (e.g. a ratio of 2:1, 3:1, or higher).

Nail polish pallet **300** can have any number of nail polish reservoirs **312** that includes at least two nail polish reservoirs **312**. For example, nail polish pallet **300** may include three nail polish reservoirs **312** as shown in FIGS. 37-38, four nail polish reservoirs **312** as shown in FIGS. 24-26, five nail polish reservoirs **312** as shown in FIG. 31-32, six nail polish reservoirs **312** as shown in FIG. 27, eight nail polish reservoirs **312** as shown in FIGS. 29-30, or another number (e.g. 2-20) of nail polish reservoirs **312**.

Nail polish pallet **300** may have greater nail polish reservoirs **312** than cap stands **308** as shown in FIGS. 24-25, the same number of nail polish reservoirs **312** as cap stands **308** as shown in FIGS. 31-32, or greater cap stands **308** than nail polish reservoir **312**.

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Referring to FIGS. 43-46, in some embodiments, nail polish pallet 300 includes one fewer cap stands 308 than the number of nail polish reservoirs 312. This can allow the user to hold one nail polish cap 100 (and connected brush 104) (FIG. 24) associated with the nail polish of one reservoir 312 in hand, and rest the remaining nail polish caps 100 (and connected brushes 104) associated with each of the other nail polishes in the other reservoirs 312 on cap stands 308. A nail polish pallet 300 having the same number of cap stands 308 as nail polish reservoirs 312 (see, e.g. FIG. 31) can allow the nail polish cap 100 (and associated brush 104) associated with every nail polish reservoir 312 to be rested on a cap stand 308. This may allow the user (e.g. beauty salon employee) to take a pause from painting nails to perform another task (e.g. cash out a customer or answer the phone).

Reference is now made to FIG. 47, which shows another embodiment of nail polish system 200. As shown, nail polish system 200 may include one or more nail polish caps 100, a plurality of nail polish applicator brushes 104 (greater in number than caps 100), and one or more nail polish pallets 300. Nail polish pallet 300 has cap stands 308 which are particularly sized to accommodate nail polish cap 100 and a connected nail polish applicator brush 104.

While the above description provides examples of the embodiments, it will be appreciated that some features and/or functions of the described embodiments are susceptible to modification without departing from the spirit and principles of operation of the described embodiments. Accordingly, what has been described above has been intended to be illustrative of the invention and non-limiting and it will be understood by persons skilled in the art that other variants and modifications may be made without departing from the scope of the invention as defined in the claims appended hereto. The scope of the claims should not be limited by the preferred embodiments and examples, but should be given the broadest interpretation consistent with the description as a whole.

Items

Item 1: A nail polish pallet comprising:

a base having a plurality of nail polish reservoirs inboard of a base periphery, each reservoir formed as a depression in the base with an open reservoir upper end; and at least one nail polish cap stand coupled to the base, each nail polish cap stand including a cap rest and a cap seat,

the cap rest having an upper rest surface with a longitudinal length and transverse width, the upper rest surface extending longitudinally from a cap rest inner end to a cap rest outer end, the cap rest outer end positioned above and outboard of the base and the cap rest inner end,

the cap seat positioned proximate an inboard portion of the cap rest, and having a seating surface extending transversely to the upper rest surface.

Item 2: The nail polish pallet of any preceding item, wherein the seating surface extends above the base.

Item 3: The nail polish pallet of any preceding item, wherein the seating surface extends outboard of the base.

Item 4: The nail polish pallet of any preceding item, wherein the cap seat overlies the inboard portion of the cap rest.

Item 5: The nail polish pallet of any preceding item, further comprising:

a rim at least partially surrounding the base, and extending upwardly from the base periphery to a rim upper surface above the base.

Item 6: The nail polish pallet of any preceding item, wherein:

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the rim forms the cap seat of each of the at least one nail polish cap stand.

Item 7: The nail polish pallet of any preceding item, wherein:

the rim upper surface forms the seating surface of each of the at least one nail polish cap.

Item 8: The nail polish pallet of any preceding item, wherein:

the rim completely surrounds the base.

Item 9: The nail polish pallet of any preceding item, wherein:

the at least one nail polish cap stand includes a plurality of nail polish cap stands equal in number to the nail polish reservoirs.

Item 10: The nail polish pallet of any preceding item, wherein:

the nail polish reservoirs are distributed about a first portion of the base, and

each nail polish cap stand extends from proximate a second portion of the base, the second portion of the base being free of nail polish reservoirs.

Item 11: The nail polish pallet of any preceding item, wherein:

each nail polish reservoir has a volume capacity of less than 5 mL.

Item 12: A nail polish system comprising:

a nail polish cap having an outer handling surface, an inner bottle engagement portion, and an inner applicator brush engagement portion; and

a plurality of nail polish applicator brushes, each nail polish applicator brush including

a stem extending longitudinally from a stem inboard end to a stem outboard end,

a plurality of bristles extending longitudinally from a bristle inboard end, connected to the stem outboard end, and a bristle outboard end, and

a cap engagement portion connected to the stem inboard end, the cap engagement end being removably connectable to the inner applicator brush engagement portion of the nail polish cap.

Item 13: The nail polish system of any preceding item, wherein:

the nail polish cap has a cap upper end opposite a cap lower end,

the cap lower end having an opening to the inner bottle engagement portion and the inner applicator brush engagement portion.

Item 14: The nail polish system of any preceding item, wherein:

the inner applicator brush engagement portion is positioned upwardly of the inner bottle engagement portion.

Item 15: The nail polish system of any preceding item, wherein the cap engagement portion is sized to provide a press-fit when mated with the inner applicator brush engagement portion.

Item 16: The nail polish system of any preceding item, wherein the cap engagement portion and the inner applicator brush engagement portion include mating threads.

Item 17: The nail polish system of any preceding item, further comprising:

the nail polish pallet of any preceding item, wherein the cap rest and cap seat are sized and positioned to support the nail polish cap having a nail polish applicator brush of the plurality of nail polish applicator brushes connected thereto.

Item 18: The nail polish system of any preceding item, wherein:

the nail polish cap has a cap upper end opposite a cap lower end,

the nail polish applicator brush extends downwardly from the cap lower end when connected to the nail polish cap, and the nail polish cap is positionable on the cap rest with the cap lower end supported on the cap seat.

Item 19: The nail polish system of any preceding item, wherein:

the cap rest and cap seat are positioned and oriented to support the nail polish cap with bristles of the nail polish applicator brush overlaying and spaced apart from the base, when the nail polish applicator brush is connected to the nail polish cap.

Item 20: The nail polish system of any preceding item, wherein the plurality of nail polish applicator brushes includes at least 50 identical disposable nail polish applicator brushes.

Item 21: A method of sanitary practice for a beauty salon comprising:

applying nail polish to at least one nail of a first person, using a first nail polish applicator brush removably connected to a nail polish cap;

after said applying, removing the nail polish applicator brush from the nail polish cap, and disposing of the first nail polish applicator brush;

connecting a second nail polish applicator brush, structurally identical to the first nail polish applicator brush, to the nail polish cap; and

applying nail polish to at least one nail of a second person, using the second nail polish applicator brush removably connected to the nail polish cap.

Item 22: A nail polish system comprising:

a brush handle having an outer handling surface, a handle longitudinal axis, and a brush engagement portion;

at least one nail polish applicator brush, each nail polish applicator brush including:

a base extending longitudinally from a base inboard end to a base outboard end,

a plurality of bristles extending longitudinally from a bristle inboard end to a bristle outboard end, the bristle inboard end connected to the base outboard end, and

a handle engagement portion connected to the base inboard end, the handle engagement portion being removably and rotatably connectable to the nail polish applicator brush engagement portion, and when connected the nail polish applicator brush is rotatable relative to the brush handle about a rotation axis transverse to the handle longitudinal axis.

Item 23: The nail polish system of any preceding item, wherein:

the nail polish applicator brush includes a plurality of angular indicators representative of an angular orientation of the nail polish applicator brush relative to the brush handle about the rotation axis.

5 Item 24: The nail polish system of any preceding item, further comprising:

a lock engagable with the brush handle and the nail polish applicator brush, the lock having a locked position in which an angular orientation of the nail polish applicator brush relative to the brush handle is fixed, and an unlocked position in which an angular orientation of the nail polish applicator brush relative to the brush handle is adjustable.

10 Item 25: The nail polish system of any preceding item, wherein:

the at least one nail polish applicator brush comprises a plurality of nail polish applicator brushes.

The invention claimed is:

1. A nail polish system comprising:

a brush handle having an outer handling surface, a handle longitudinal axis, and a brush engagement portion;

at least one nail polish applicator brush, each nail polish applicator brush including:

a base extending longitudinally from a base inboard end to a base outboard end,

a plurality of bristles extending longitudinally from a bristle inboard end to a bristle outboard end, the bristle inboard end connected to the base outboard end, and

a handle engagement portion connected to the base inboard end, the handle engagement portion being removably and rotatably connectable to the nail polish applicator brush engagement portion, and when connected the nail polish applicator brush is rotatable relative to the brush handle about a rotation axis transverse to the handle longitudinal axis,

wherein the nail polish applicator brush includes a plurality of angular indicators representative of an angular orientation of the nail polish applicator brush relative to the brush handle about the rotation axis.

2. The nail polish system of claim 1, further comprising:

a lock engagable with the brush handle and the nail polish applicator brush, the lock having a locked position in which an angular orientation of the nail polish applicator brush relative to the brush handle is fixed, and an unlocked position in which an angular orientation of the nail polish applicator brush relative to the brush handle is adjustable.

3. The nail polish system of claim 1, wherein:

the at least one nail polish applicator brush comprises a plurality of nail polish applicator brushes.

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